

State of California  
The Resources Agency

DEPARTMENT OF WATER RESOURCES  
Division of Operations and Maintenance

# STATE WATER PROJECT OPERATIONS DATA

For the month of:

**June  
2007**

**Edmund G. Brown Jr.**  
Governor  
**State of California**

**John Laird**  
Secretary for Resources  
**The Resources Agency**

**Mark Cowin**  
Director  
**Department of Water Resources**

This monthly report of operational data for the State Water Project has been published since January 1965. Monthly SWP Operations Data Reports from January 1990 have been made available on the Internet at <http://www.water.ca.gov/swp/operationscontrol/projectwide.cfm>. It provides the State Water Service Contractors, public agencies, consultants and others with the daily and monthly status of the Project's water and power operations.

Revisions to these data will appear in the Annual Report of Operations reflecting corrections made after the monthly summaries have been printed.

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**JOHN LAIRD, Secretary for Resources**

Department of Water Resources  
**MARK COWIN, Director**

Department of Water Resources  
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The organization shown above represents staff and positions relevant to this report as of publication date on December 2011. It is the Department's policy to not show staff in "Acting" or "Temporary" positions.

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## **MONTHLY HIGHLIGHTS**

The following highlights are activities or actions that impacted State Water Project operations during the month of June 2007.

Statewide precipitation was about 60 percent of average for the 2006-2007 water year through June. Statewide runoff was 55 percent of average for the water year. Precipitation percentages are used in this report to express historical and regional comparisons. Additional and more specific information is available via the internet at: "[http://cdec.water.ca.gov/snow\\_rain.html](http://cdec.water.ca.gov/snow_rain.html)".

Statewide reservoir storage was 90 percent of average to date. Total storage in major SWP reservoirs at the end of June 2007, was about 3.55 maf, compared with about 4.98 maf at this time in 2006. On June 30, storage at Lake Oroville was about 2.64 maf as compared to 3.48 maf at this time in 2006. The State's share of San Luis Reservoir storage was about 336 taf, as compared with 898 taf at this time in 2006. The combined storage in SWP's southern reservoirs was about 568 taf, compared with about 610 taf at this time in 2006.

Snowpack and runoff data is not available this month. This data is compiled four times a year, for the months of January, February, March, and April by the California Department of Water Resources in Bulletin 120. The Bulletin also contains forecasts of the volume of seasonal runoff from the state's major watersheds, and summaries of precipitation, reservoir storages in various regions of the State.

SWP water deliveries for June 2007 were about 560 taf. This is a combination of project, transfer, and exchange waters. Total deliveries for the year through June was about 2.44 maf, this is about 314 taf more than that delivered during the same period in 2006.

On June 1, 2007, by mutual agreement, the United States Bureau of Reclamation and the California Department of Water Resources declared "Balanced" conditions in the Delta in accordance with Article 6(h) of the COA. Conditions remained "Balanced" through the end of June, closing the month with an accumulated USBR-COA balance was -27,472 cfs, reflecting a shortage in USBR storage withdrawals available to meet USBR's share of Sacramento Valley In-Basin Use.

On June 14, 2007, San Luis field Division reported that a dump truck had broken the fiber optic communications line at the South Bay Pumping Plant construction site which caused a loss of communications for half of the California Aqueduct and all of the South Bay and North Bay Aqueducts. Communication Techs brought back all communication points with the exception of the North Bay Aqueduct.

Clifton Court gates were closed and Banks Pumping Plant was shut down from June 1, 2007, to June 11, 2007, for Delta smelt protection.

**Table 1. Antelope Lake**

Daily Operation

(in acre-feet except as noted)

Capacity: 22,566 ac-ft

**June 2007**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs					Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage		
				Stream-flow Maint.	Water Supply Contract	Water Right				
May 31	5002.12	22,676								
1	5002.10	22,564	-112	13	0	0	3	10	26	
2	5002.04	22,601	37	20	0	0	1	10	31	
3	5002.00	22,564	-37	20	0	0	0	10	30	
4	5001.93	22,499	-65	20	0	0	0	10	30	
5	5001.90	22,471	-28	20	0	0	0	10	30	
6	5001.88	22,453	-18	20	0	0	0	10	30	
7	5001.82	22,398	-55	20	0	0	0	10	30	
8	5001.78	22,361	-37	20	0	0	0	10	30	
9	5001.73	22,314	-47	20	0	0	0	10	30	
10	5001.68	22,268	-46	20	0	0	0	10	30	
11	5001.65	22,241	-27	20	0	0	0	10	30	
12	5001.58	22,176	-65	20	0	0	0	10	30	
13	5001.52	22,121	-55	20	0	0	0	10	30	
14	5001.47	22,075	-46	20	0	0	0	10	30	
15	5001.41	22,020	-55	20	0	0	0	10	30	
16	5001.33	21,947	-73	20	0	0	0	10	30	
17	5001.28	21,902	-45	20	0	0	0	10	30	
18	5001.22	21,847	-55	20	0	0	0	10	30	
19	5001.25	21,783	-64	20	0	0	0	10	30	
20	5001.09	21,729	-54	20	0	0	0	10	30	
21	5001.01	21,656	-73	20	0	0	0	10	30	
22	5000.95	21,602	-54	20	0	0	0	10	30	
23	5000.88	21,539	-63	20	0	0	0	10	30	
24	5000.81	21,476	-63	20	0	0	0	10	30	
25	5000.75	21,422	-54	20	0	0	0	10	30	
26	5000.68	21,359	-63	20	0	0	0	10	30	
27	5000.61	21,296	-63	20	0	0	0	10	30	
28	5000.54	21,233	-63	20	0	0	0	10	30	
29	5000.46	21,161	-72	20	0	0	0	9	29	
30	5000.40	21,108	-53	20	0	0	0	9	29	
Total cfs-days				---	593	0	0	4	298	
Total ac-ft				-1,568	1,176	0	0	8	592	
									1,776	
									208	

**Table 2. Frenchman Lake**

Daily Operation  
(in acre-feet except as noted)

Capacity: 55,477 ac-ft

**June 2007**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs					Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage		
				Stream-flow Maint.	Water Supply Contract 1/	Water Right				
May 31	5578.81	42,109								
1	5578.68	41,935	-174	0	58	0	0	16	74	
2	5578.60	41,829	-106	0	55	0	0	16	71	
3	5578.48	41,670	-159	0	55	0	0	16	71	
4	5578.38	41,537	-133	0	52	0	0	16	68	
5	5578.29	41,418	-119	0	45	0	0	16	61	
6	5578.19	41,287	-131	0	38	0	0	16	54	
7	5578.12	41,194	-93	0	34	0	0	16	50	
8	5578.04	41,089	-105	0	24	0	0	15	39	
9	5577.98	41,010	-79	0	24	0	0	15	39	
10	5577.93	40,946	-64	0	24	0	0	15	39	
11	5577.87	40,866	-80	0	31	0	0	15	46	
12	5577.80	40,775	-91	0	36	0	0	15	51	
13	5577.72	40,670	-105	0	43	0	0	15	58	
14	5577.60	40,514	-156	0	63	0	0	15	78	
15	5577.48	40,358	-156	0	69	0	0	15	84	
16	5577.35	40,189	-169	0	70	0	0	15	85	
17	5577.23	40,034	-155	0	70	0	0	15	85	
18	5577.10	39,866	-168	0	65	0	0	15	80	
19	5576.96	39,686	-180	0	73	0	0	15	88	
20	5576.82	39,506	-180	0	77	0	0	15	92	
21	5576.68	39,327	-179	0	77	0	0	15	92	
22	5576.56	39,161	-166	0	67	0	0	15	82	
23	5576.44	39,021	-140	0	60	0	0	15	75	
24	5576.31	38,855	-166	0	60	0	0	15	75	
25	5576.20	38,716	-139	0	60	0	0	15	75	
26	5576.08	38,564	-152	0	60	0	0	15	75	
27	5575.99	38,451	-113	0	60	0	0	15	75	
28	5575.88	38,312	-139	0	45	0	0	15	60	
29	5575.81	38,224	-88	0	30	0	0	15	45	
30	5575.75	38,149	-75	0	30	0	0	15	7	
Total cfs-days				---	0	1,555	0	0	457	
Total ac-ft				-3,960	0	3,084	0	0	906	
									3,990	
									30	

1/ Last Chance Creek Water District

**Table 3. Lake Davis**

Daily Operation  
(in acre-feet except as noted)

Capacity: 84,371 ac-ft

**June 2007**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow		
				Stream-flow Maint.	Water Supply Contract	Water Right 1/					
May 31	5765.40	50,487									
1	5765.38	50,427	-60	8	0	3	0	30	40	10	
2	5765.35	50,336	-91	8	0	3	0	30	40	-6	
3	5765.33	50,276	-60	8	0	2	0	30	40	10	
4	5765.29	50,156	-120	8	0	2	0	30	40	-20	
5	5765.33	50,276	120	8	0	3	0	30	40	100	
6	5765.32	50,246	-30	8	0	3	0	30	40	25	
7	5765.30	50,186	-60	8	0	3	0	30	40	10	
8	5765.26	50,065	-121	8	0	3	0	30	40	-21	
9	5765.24	50,006	-59	8	0	3	0	30	40	10	
10	5765.21	49,915	-91	8	0	3	0	30	40	-6	
11	5765.20	49,885	-30	8	0	3	0	30	40	25	
12	5765.17	49,796	-89	8	0	3	0	29	39	-6	
13	5765.14	49,706	-90	8	0	3	0	29	39	-6	
14	5765.11	49,616	-90	8	0	3	0	29	39	-6	
15	5765.10	49,587	-29	8	0	3	0	29	39	24	
16	5765.08	49,527	-60	8	0	3	0	29	39	9	
17	5765.05	49,437	-90	7	0	3	0	29	39	-6	
18	5765.01	49,318	-119	7	0	3	0	29	39	-21	
19	5765.00	49,289	-29	7	0	3	0	29	39	24	
20	5764.95	49,137	-152	7	0	3	0	29	39	-38	
21	5764.92	49,048	-89	8	0	3	0	29	39	-6	
22	5764.90	48,988	-60	7	0	3	0	29	39	9	
23	5764.85	48,840	-148	7	0	3	0	29	39	-36	
24	5764.83	48,780	-60	7	0	3	0	29	39	9	
25	5764.80	48,691	-89	7	0	3	0	29	39	-6	
26	5764.76	48,573	-118	6	0	4	0	29	39	-20	
27	5764.74	48,514	-59	6	0	4	0	29	39	9	
28	5764.70	48,395	-119	5	0	5	0	29	39	-21	
29	5764.67	48,307	-88	5	0	5	0	29	39	-5	
30	5764.63	48,189	-118	5	0	5	0	29	39	-20	
Total cfs-days				---	212	0	88	0	881	1,181	23
Total ac-ft				-2,298	420	0	175	0	1,748	2,343	45

1/ Includes unclassified non-project diversions to local agencies (Valberti and Romelli)

**Table 4. Lake Oroville**

Daily Operation

(in acre-feet except as noted)

Capacity: 3,537, 580 ac-ft

**June 2007**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow							Inflow	
				Hyatt Powerplant Generation 1/	Palermo Canal 2/	Lime Saddle Marina	Butte County Del Oro	Evaporation 3/	Spill	Total Outflow	Hyatt Powerplant Pumpback	Computed Inflow 4/
May 31	861.46	2,965,041										
	1	861.32	2,963,091	-1,950	5,536	30	0	0	221	0	5,787	0
	2	861.30	2,962,812	-279	3,617	30	0	0	296	0	3,943	0
	3	861.11	2,960,167	-2,645	5,960	30	0	0	264	0	6,254	0
	4	860.32	2,949,185	-10,982	12,780	30	0	0	248	0	13,058	0
	5	859.89	2,943,220	-5,965	9,865	30	0	0	278	0	10,173	0
	6	859.57	2,938,786	-4,434	8,717	30	0	0	0	0	8,747	0
	7	858.89	2,929,380	-9,406	10,944	30	0	0	206	0	11,180	0
	8	858.26	2,920,684	-8,696	12,712	30	0	0	269	0	13,011	0
	9	857.52	2,910,493	-10,191	11,694	30	0	0	261	0	11,985	0
	10	857.17	2,905,682	-4,811	7,953	30	0	0	292	0	8,275	9
	11	856.61	2,897,996	-7,686	11,590	30	0	0	292	0	11,912	0
	12	855.95	2,888,955	-9,041	12,048	30	0	0	251	0	12,329	0
	13	855.41	2,881,573	-7,382	8,721	30	0	0	431	0	9,182	0
	14	854.85	2,873,932	-7,641	10,613	30	0	0	360	0	11,003	0
	15	854.53	2,869,572	-4,360	8,100	30	0	0	406	0	8,536	0
	16	853.96	2,861,817	-7,755	9,538	30	0	0	313	0	9,881	0
	17	852.98	2,848,519	-13,298	15,411	30	0	0	295	0	15,736	0
	18	852.00	2,835,264	-13,255	15,256	30	0	0	319	0	15,605	0
	19	851.09	2,822,995	-12,269	14,104	30	0	0	341	0	14,475	0
	20	850.30	2,812,374	-10,621	14,546	30	0	0	340	0	14,916	0
	21	849.37	2,799,906	-12,468	13,095	30	0	0	300	0	13,425	0
	22	848.49	2,788,145	-11,761	13,749	30	0	0	307	0	14,086	0
	23	847.40	2,773,625	-14,520	16,471	30	0	0	306	0	16,807	0
	24	846.20	2,757,702	-15,923	17,614	30	0	1	305	0	17,950	0
	25	845.04	2,742,369	-15,333	17,885	30	0	1	311	0	18,227	0
	26	843.88	2,727,097	-15,272	18,286	30	0	1	349	0	18,666	0
	27	842.31	2,706,522	-20,575	22,659	30	0	1	280	0	22,970	0
	28	840.69	2,685,406	-21,116	23,494	30	0	1	315	0	23,840	0
	29	839.06	2,664,266	-21,140	24,012	30	0	1	327	0	24,370	0
	30	837.45	2,643,495	-20,771	23,464	30	0	1	355	0	23,850	0
<b>Total</b>				<b>-321,546</b>	<b>400,434</b>	<b>893</b>	<b>0</b>	<b>7</b>	<b>8,838</b>	<b>0</b>	<b>410,172</b>	<b>9</b>
												<b>88,617</b>

1/ Includes bypass flows

2/ South Feather Water and Power Agency

3/ Evaporation will be zero for days when there is precipitation or heavy overcast.

4/ Does not include pumpback.

**Table 5. Thermalito Forebay  
Including Diversion Pool and Power Canal**

Capacity: 25,120 ac-ft

Daily Operation  
(in acre-feet except as noted)

**June 2007**

Date	Storage 1/	Storage Change	Inflow			Outflow					Losses (-) And Gains (+)
			Lake Oroville Releases 2/	Kelly Ridge Generation	Thermalito Pumping- Generating Plant Pumpback	Thermalito Pumping- Generating Plant Generation 3/	Butte County Cal Water	Thermalito Irrigation District	Releases To River 4/	Hyatt Powerplant Pumpback	
May 31	23,669										
1	23,880	211	5,536	511	0	4,700	0	6	1,339	0	209
2	23,448	-432	3,617	433	0	3,146	0	6	1,343	0	13
3	24,035	587	5,960	381	0	4,336	0	6	1,404	0	-8
4	23,557	-478	12,780	426	0	13,034	0	6	1,398	0	754
5	23,987	430	9,865	450	0	8,790	0	6	1,404	0	315
6	24,240	253	8,717	379	0	7,630	0	6	1,365	0	158
7	23,590	-650	10,944	160	0	10,418	0	7	1,333	0	4
8	23,828	238	12,712	174	0	11,600	0	7	1,331	0	290
9	23,981	153	11,694	200	0	10,814	0	7	1,331	0	411
10	23,513	-468	7,953	384	0	7,914	0	7	1,345	9	470
11	23,608	95	11,590	339	0	10,676	0	7	1,347	0	196
12	23,652	44	12,048	297	0	10,814	0	7	1,359	0	-121
13	23,614	-38	8,721	321	0	7,688	0	7	1,368	0	-17
14	23,931	317	10,613	317	0	9,464	0	7	1,482	0	340
15	23,979	48	8,100	434	0	7,518	0	7	1,343	0	382
16	24,143	164	9,538	510	0	8,744	0	7	1,355	0	222
17	23,604	-539	15,411	399	0	14,974	1	7	1,349	0	-18
18	23,893	289	15,256	434	0	14,800	1	7	1,368	0	775
19	23,757	-136	14,104	465	0	13,962	1	7	1,372	0	637
20	23,142	-615	14,546	507	0	14,120	1	7	1,365	0	-175
21	24,001	859	13,095	506	0	11,487	1	7	1,382	0	135
22	23,892	-109	13,749	506	0	13,152	1	7	1,378	0	174
23	23,739	-153	16,471	407	0	16,122	1	7	1,380	0	479
24	23,975	236	17,614	425	0	16,275	1	7	1,390	0	-130
25	23,755	-220	17,885	513	0	17,227	1	7	1,390	0	7
26	23,828	73	18,286	432	0	17,344	1	7	1,398	0	105
27	23,721	-107	22,659	453	0	21,728	1	7	1,408	0	-75
28	23,498	-223	23,494	275	0	22,948	1	7	1,408	0	372
29	23,045	-453	24,012	194	0	22,670	1	7	1,384	0	-597
30	23,045	0	23,464	358	0	22,670	1	7	1,380	0	236
Total		-624	400,434	11,590	0	376,765	14	204	41,199	9	5,543

1/ Sum of Thermalito Forebay and Diversion Pool.

3/ Includes Bypass flows at Thermalito.

2/ Sum of releases from Lake Oroville through Hyatt plant, and spill.

4/ The sum of the flows from fish barrier dam and the fish hatchery.

**Table 6. Thermalito Afterbay**

Daily Operation

(in acre-feet except as noted)

Capacity: 57,040 ac-ft

**June 2007**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow					Losses (-) and Gains (+)	Total Releases to River 2/	
				Thermalito Pumping-Generating Plant Generation 1/	Sutter Butte Canal	Western Canal Lateral	Richvale Canal	Western Canal	Afterbay River Outlet	Thermalito Pumping-Generating Plant Pumpback			
May 31	128.45	27,196											
	1 127.27	23,688	-3,508	4,700	3,134	14	600	1,803	2,241	0	-416	3,580	
	2 125.55	18,986	-4,702	3,146	3,114	17	600	1,787	2,241	0	-89	3,584	
	3 124.08	15,344	-3,642	4,336	3,114	22	692	1,726	2,241	0	-183	3,645	
	4 126.00	20,172	4,828	13,034	3,055	28	716	1,702	2,261	0	-444	3,659	
	5 126.17	20,627	455	8,790	3,055	26	944	1,636	2,261	0	-413	3,665	
	6 126.18	20,654	27	7,630	3,055	24	680	1,460	2,261	0	-123	3,626	
	7 127.18	23,430	2,776	10,418	3,035	22	664	1,355	2,261	0	-305	3,594	
	8 128.53	27,442	4,012	11,600	2,955	19	662	1,333	2,261	0	-358	3,592	
	9 129.50	30,510	3,068	10,814	2,975	16	662	1,377	2,261	0	-455	3,592	
	10 129.41	30,219	-291	7,914	2,995	24	700	1,468	2,241	0	-777	3,586	
	11 130.28	33,088	2,869	10,676	2,955	30	700	1,623	2,261	0	-238	3,608	
	12 131.13	36,010	2,922	10,814	3,035	36	770	1,755	2,261	0	-35	3,620	
	13 131.03	35,660	-350	7,688	3,154	46	800	1,823	2,261	0	46	3,629	
	14 131.19	36,221	561	9,464	3,154	50	840	1,970	2,122	0	-767	3,604	
	15 130.31	33,190	-3,031	7,518	3,114	50	800	2,103	4,245	0	-237	5,588	
	16 128.88	28,531	-4,659	8,744	3,074	38	853	2,142	6,744	0	-552	8,099	
	17 129.43	30,283	1,752	14,974	3,074	24	899	2,122	6,764	0	-339	8,113	
	18 129.69	31,129	846	14,800	3,074	28	900	2,103	7,200	0	-649	8,568	
	19 129.46	30,380	-749	13,962	3,114	30	900	2,103	7,755	0	-809	9,127	
	20 129.45	30,348	-32	14,120	3,114	32	900	2,142	7,755	0	-209	9,120	
	21 128.55	27,504	-2,844	11,487	3,154	34	900	2,222	7,755	0	-266	9,137	
	22 128.10	26,131	-1,373	13,152	3,174	34	958	2,241	7,755	0	-363	9,133	
	23 128.48	27,288	1,157	16,122	3,154	30	972	2,222	7,755	0	-832	9,135	
	24 129.19	29,513	2,225	16,275	3,154	26	970	2,182	7,755	0	37	9,145	
	25 130.09	32,451	2,938	17,227	3,193	26	972	2,083	7,755	0	-260	9,145	
	26 130.85	35,035	2,584	17,344	3,213	26	956	2,103	7,716	0	-746	9,114	
	27 132.34	40,368	5,333	21,728	3,193	26	970	2,162	9,878	0	-166	11,286	
	28 132.74	41,859	1,491	22,948	3,233	26	974	2,202	14,103	0	-919	15,511	
	29 133.00	42,842	983	22,670	3,253	24	974	2,260	15,729	0	553	17,113	
	30 133.00	42,842	0	22,670	3,273	22	972	2,280	15,729	0	-394	17,109	
<b>Total</b>				<b>15,646</b>	<b>376,765</b>	<b>93,340</b>	<b>843</b>	<b>24,900</b>	<b>57,490</b>	<b>173,828</b>	<b>0</b>	<b>-10,718</b>	<b>215,027</b>

1/ Includes Bypass flows at Thermalito.

2/ The sum of the flows from the fish barrier dam, fish hatchery, and afterbay river outlet.

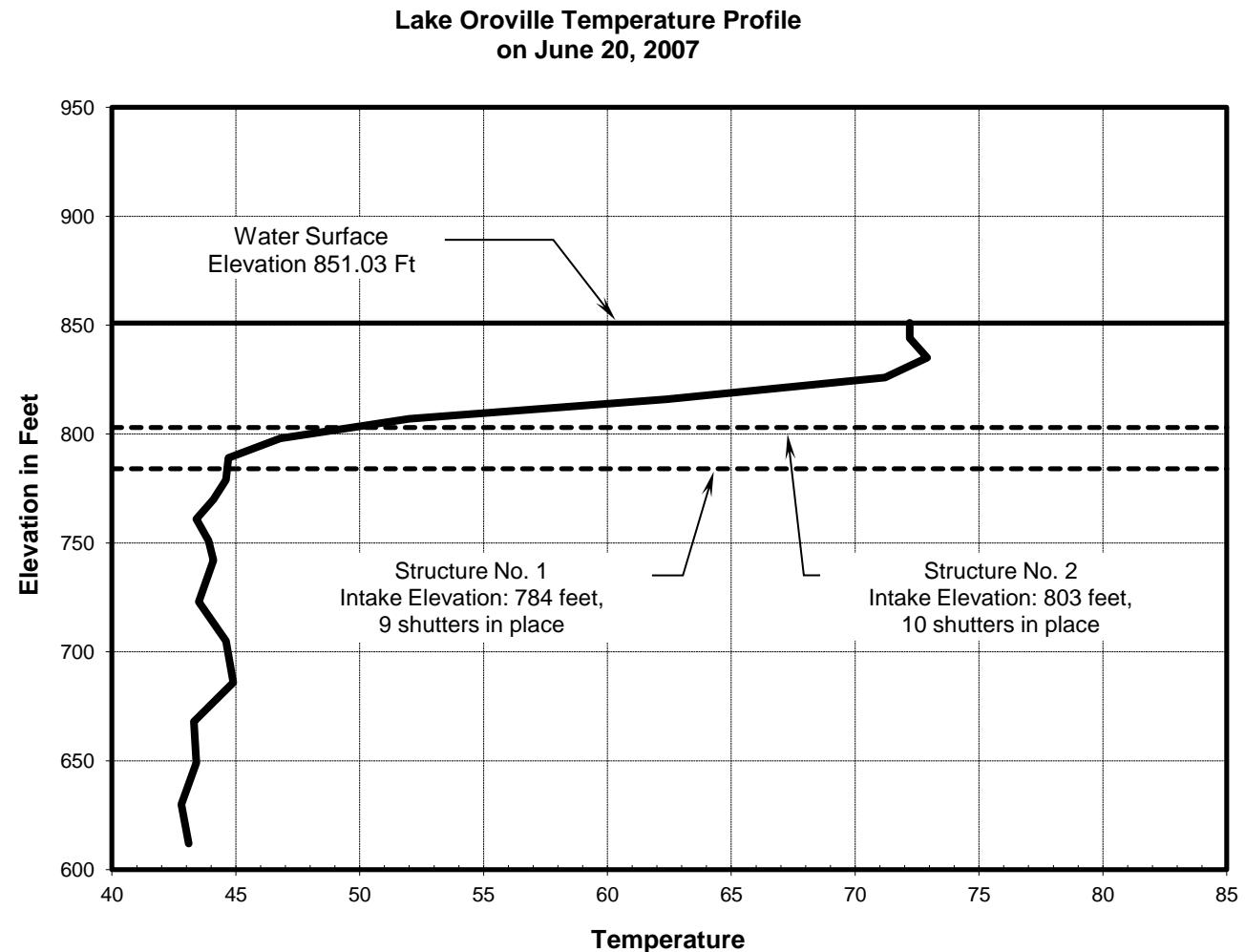
**Table 7. Oroville-Thermalito Complex**

Water Temperature Data

(in degrees Fahrenheit)

June 2007

Date	Mean Daily Temperature	
	Thermalito Afterbay Outlet	Fish Hatchery
1	70	54
2	70	54
3	70	54
4	68	54
5	66	55
6	63	55
7	64	56
8	64	57
9	65	57
10	65	57
11	67	57
12	67	58
13	68	58
14	69	55
15	70	54
16	69	53
17	70	54
18	68	55
19	64	56
20	63	56
21	64	57
22	65	57
23	64	58
24	64	58
25	64	59
26	0	57
27	0	52
28	63	54
29	60	58
30	60	59



Note: Water surface elevations on Table 4 are taken at Oroville Dam at midnight and may differ slightly from those shown on this table which are normally taken at mid-day and upstream from Oroville Dam.

**Table 8. North Bay Aqueduct**  
Delta Field Division, Monthly Deliveries

(In acre-feet)

**June 2007**

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries			
	Beginning and Ending		Structure			Table A		Permit	
	No.	Structure	Mile	M & I		Benicia			
1	1	Barker Slough Pumping Plant	0.17	(Into the North Bay Aqueduct)	6,835	306	343	2,524	
		Travis Surge Tank	8.78						
			8.80	Solano County Water Agency Travis AFB	306				
			10.54	Solano County Water Agency Fairfield / Vacaville 24"	343				
				Solano County Water Agency Fairfield / Vacaville 42"	2,524				
			17.00	Solano County Water Agency Central Solano	Stub				
2	3A	Cordelia Forebay	21.23			1/ 1,172	1,142	100	
		Cordelia Pumping Plant & Cordelia Spillway	21.30		3,585				
3B	2	Napa Pipeline	21.33	Solano County Water Agency Vallejo	1,272	14	800	357	
				Solano County Water Agency Benicia	1,142				
		Cordelia Surge Tank	23.33						
		Creston Surge Tank Connection	25.65						
			26.95	Napa County Flood Control & WCD American Canyon 2	14				
			27.27	Napa County Flood Control & WCD American Canyon 3	0				
		Napa Terminal Tank	27.58	City of Napa	800				
			27.60	Napa County Flood Control & WCD American Canyon 1	357				

1/ Includes 60 AF of Napa Co. FC&WCD entitlement through Solano Co.'s turnout (Reach 3A) for delivery to American Canyon and 1,112 AF of Solano County WA entitlement to the City of Vallejo.

**Table 9. Delta Field Division Plant Data**

(in acre-feet)

**June 2007**

Date	North Bay Aqueduct		California Aqueduct		South Bay Aqueduct			
	Barker Slough Pumping Plant	Cordelia Pumping Plant	Banks Pumping Plant		South Bay Pumping Plant	Del Valle Pumping Plant		
			Total	SWP		Into Lake	Into Aqueduct	Gravity Flow Through Plant Into Aqueduct
1	222	121	0	0	61	0	0	242
2	225	122	0	0	50	0	0	242
3	227	122	0	0	60	0	0	242
4	219	115	0	0	62	0	0	242
5	212	108	0	0	61	0	0	242
6	205	110	0	0	61	0	0	242
7	204	106	0	0	61	0	0	242
8	209	107	0	0	61	0	0	242
9	213	107	0	0	64	0	0	242
10	212	106	178	178	61	0	0	242
11	209	106	179	179	61	0	0	242
12	224	117	176	176	60	0	0	242
13	222	106	177	177	60	0	0	242
14	229	120	178	178	62	0	0	242
15	239	118	191	191	60	0	0	242
16	228	119	192	192	123	0	0	242
17	210	114	981	981	149	0	0	242
18	206	101	793	793	247	0	0	173
19	205	91	1,666	1,666	428	0	0	71
20	223	109	1,422	1,422	493	0	0	0
21	237	121	1,848	1,848	466	0	0	0
22	246	130	1,852	1,852	494	0	0	0
23	233	121	1,874	1,874	514	0	0	0
24	234	121	1,164	1,164	481	0	0	0
25	246	133	381	381	488	0	0	0
26	254	145	642	642	499	0	0	0
27	256	142	1,681	1,681	550	40	0	0
28	252	141	1,697	1,697	624	92	0	0
29	266	152	1,742	1,742	624	92	0	0
30	268	154	2,698	2,698	624	99	0	0
Total	6,835	3,585	21,712	21,712	7,709	323	0	4,358

**Table 10. Clifton Court Forebay**

Daily Operation of Gates

**June 2007**

Date	Time								Amount of inflow in Acre-Feet
	Opened	Closed	Opened	Closed	Opened	Closed	Opened	Closed	
1									0
2									0
3									0
4									0
5									0
	gates closed 6/1/2007 - 6/11/2007 for delta smelt protection								
6									0
7									0
8									0
9									0
10									0
11									0
12	7:00	11:15	14:15	21:42					774
13	7:00	11:45	15:00	16:55					776
14	6:00	13:00							776
15	7:30	13:45							787
16	7:45	14:30							785
17	0:01	6:18	8:30	15:15	18:15	23:15			1,962
18	0:01	7:15	9:15	15:34					1,978
19	0:01	8:15	10:15	13:32					1,976
20	0:01	9:15							1,466
21	0:50	5:07	7:30	10:30	23:48				1,978
22		7:45	13:15	18:50	22:00				1,971
23		15:00							1,953
24	3:00	9:30							662
25	3:30	9:35							965
26	4:45	11:00	14:00	20:20					1,480
27	1:00	2:15	4:44	11:45					974
28	6:00	10:00	20:15	23:00					1,971
29	6:00	10:00	19:05	23:00					1,976
30	6:45	10:15							1,978
Total inflow for the month in AF:									27,188

**Table 11. Governor Edmund G. Brown California Aqueduct**

Delta Field Division, Monthly Deliveries

(In acre-feet)

**June 2007**

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries					
	Beginning and Ending				Table A	USBR	Local	Article 21	Local Other	
	No.	Structure	Mile							
			1.83	Byron-Bethany I.D.	4,152				4,152	
1	1	Banks Pumping Plant	3.32		21,712	60	33			
		South Bay Pumping Plant	4.49	Bethany Reservoir (Into the South Bay Aqueduct)	7,709					
		Check No. 1	5.95							
			8.08	Alameda Co. Zone 7 WA Mountain House Golf Course	60					
	2	Check No. 2	12.01							
	3		12.47	Musco Olive	33					
		Check No. 3	18.29							
	4		22.16	Tracy Golf & Country Club	0					
		Check No. 4	23.99							
	5	Check No. 5	29.73							
	6	Check No. 6	34.24							
	7		35.22	Turlock Fruit Company Inflow	0					
		Check No. 7	39.91							
2A	8		42.46	Oak Flat Water District-A	11	11				
			42.9	Western Hills WD	188	188				
			43.81	Oak Flat Water District-B	165	165				
			44.64	Oak Flat Water District-C	76	76				
		Check No. 8	45.97							
	9		46.18	Oak Flat Water District-D	272	272				
				Oak Flat Totals:	524	524	0	0	0	
	10	Check No. 9	51.3							
		Check No. 10	56.86							
	11	Check No. 11	61.4							
2B	12		66.14	Veteran's Cemetery	13	13				
		Check No. 12	66.71		12,471					

**Table 12. South Bay Aqueduct**  
Delta Field Division, Monthly Deliveries

(In acre-feet)

**June 2007**

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending		Mile			Table A	Pool A	Local	Recreation	Recovery 1/		
	No.	Structure										
1	1	South Bay Pumping Plant	0.00	(into South Bay Aqueduct)	7,709	4	27					
			3.17	Granite - Vasco Rd. (Temp.)	0							
			3.18	Oakland Scavenger Zone 7	4							
		Check No. 1	3.91									
	2	Check No. 2	5.21									
	3		7.15	Zone 7 Water Agency Altamont	27							
		Check No. 3	9.49	Zone 7 Water Agency Patterson Inflow Exchange Project Water	0	1,310						
4	4	Check No. 4	10.68									
	5	Check No. 5	12.29									
	6		13.55	Zone 7 Water Agency Wente #1	46							
			14.16	Zone 7 Water Agency Wente #2	61							
			14.31	Zone 7 Water Agency Ising	35							
		Check No. 6	14.65									
	7		14.78	Zone 7 Water Agency Arroyo Mocho Project Water	0							
		Check No. 7	16.38									
	8		16.57	Zone 7 Water Agency Wente #3	0							
			16.63	Zone 7 Water Agency Wente #4	57							
			16.69	Zone 7 Water Agency Norman Nursery	0							
			16.70	Zone 7 Water Agency Concannon Project Water	39							
		Del Valle Branch Pipeline Junction	18.63	Pumped into Lake Del Valle	323							
				Pumped into South Bay Aqueduct	0							
				Gravity into South Bay Aqueduct	4,358							
		Deliveries through Del Valle Branch Pipeline		Zone 7 Water Agency Arroyo Valle #1 & #2								
				Storage Exchange Inflow Release	393							
				East Bay Regional Park Dist. Del Valle Recreation	23							
				Zone 7 Water Agency Wente #5	88							
			19.20	Zone 7 Water Agency So. Livermore Project								
	6			Project Water Storage Exchange	1,860							
			19.21	Zone 7 Water Agency Kalthrof Detjens	300							
7	La Costa Tunnel	22.50		ACWD								
		25.97		Vallecitos Project Water	721							
8	Mission Tunnel			City of San Francisco								
				San Antonio	0							
9	Santa Clara Pipeline	28.97		ACWD - Bayside 1 & 2								
				Project Water Inflow Release	197							
				Storage Exchange	0							
			35.86	S.C.V.W.D. Meter	1,693							

1/ State Bank Recovery

Table 13. Lake Del Valle

Daily Operation

Capacity: 77,106 ac-ft

June 2007

(in acre-feet except as noted)

Date	Water Surface Elevation (feet)	Storage	Storage Change	Inflow		Outflow					Precipitation (inches)
				Natural 1/	From South Bay Aqueduct	Arroyo Valle	South Bay Aqueduct 2/	Recreation Deliveries 3/	Evaporation	Total Outflow	
May 31	704.96	41,316									
1	704.61	41,063	-253	0	0	0	242	1	9	252	0.00
2	704.25	40,805	-259	-7	0	0	242	1	8	251	0.00
3	703.90	40,554	-251	2	0	0	242	1	10	253	0.00
4	703.52	40,283	-271	-17	0	0	242	1	11	254	0.00
5	703.17	40,035	-249	6	0	0	242	1	12	255	0.00
6	702.80	39,773	-262	-11	0	0	242	1	8	251	0.00
7	702.44	39,519	-254	0	0	0	242	1	10	253	0.00
8	702.10	39,281	-239	14	0	0	242	1	10	253	0.00
9	701.73	39,022	-259	-5	0	0	242	1	10	253	0.00
10	701.36	38,765	-258	0	0	0	242	1	15	258	0.00
11	700.98	38,501	-263	-9	0	0	242	1	12	255	0.00
12	700.61	38,246	-255	-1	0	0	242	1	12	255	0.00
13	700.22	37,978	-268	-9	0	0	242	1	16	259	0.00
14	699.85	37,725	-253	8	0	0	242	1	18	261	0.00
15	699.45	37,452	-273	-9	0	0	242	1	20	263	0.00
16	699.13	37,235	-217	41	0	0	242	1	15	258	0.00
17	698.79	37,005	-230	24	0	0	242	1	11	254	0.00
18	698.50	36,809	-196	-4	0	0	173	1	18	192	0.00
19	698.38	36,729	-81	3	0	0	71	1	12	84	0.00
20	698.37	36,722	-7	6	0	0	0	1	12	13	0.00
21	698.34	36,702	-20	-7	0	0	0	1	12	13	0.00
22	698.31	36,682	-20	-7	0	0	0	1	12	13	0.00
23	698.30	36,675	-7	12	0	0	0	1	18	19	0.00
24	698.27	36,655	-20	-8	0	0	0	0	12	12	0.00
25	698.25	36,641	-13	-2	0	0	0	0	12	12	0.00
26	698.23	36,628	-13	1	0	0	0	0	15	15	0.00
27	698.26	36,648	20	-5	40	0	0	0	15	15	0.00
28	698.38	36,729	81	2	92	0	0	0	13	13	0.00
29	698.47	36,789	61	-22	92	0	0	0	10	10	0.00
30	698.61	36,884	95	8	99	0	0	0	12	12	0.00
Total		-4,432	4	323	0	4,358	23	378	4,759	0.00	

1/ Total inflow from stream gaging station above Lang Canyon and accretions/depletions.

2/ Project water released to South Bay Aqueduct through Del Valle Pumping Plant.

3/ To East Bay Regional Park District.

NR=No Records

**Table 14. Consolidated State-Federal O'Neill Forebay**

Daily Operations

June 2007

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity 56,430 ac-ft

Date	Water Surface Elevation (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)				Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)	
				Pump In 1/	O'Neill Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	California Aqueduct	O'Neill Pumping Generating Plant (Generation)	Gianelli Pumping Generating Plant (Pumped)	Dos Amigos Pumping Plant	Deliveries 2/		
May 31	217.98	38,022	-715	0	0	9,758	22	2,092	0	7,466	28	-554	
1	217.69	37,307	-715	0	0	9,767	0	2,124	0	7,090	28	-351	
2	217.83	37,652	345	0	0	9,708	0	2,142	0	6,656	28	-167	
3	218.40	39,070	1,418	0	0	9,648	0	1,963	0	6,575	28	-383	
4	218.95	40,457	1,387	0	0	9,317	0	1,924	0	6,644	28	-452	
5	219.16	40,991	534	0	0	9,549	0	1,926	0	7,238	30	-226	
6	219.26	41,247	256	0	0	9,475	0	1,876	0	7,003	20	-473	
7	219.34	41,451	204	0	0	9,408	0	1,710	0	7,413	20	-303	
8	219.31	41,375	-76	0	0	9,358	0	1,625	0	7,387	20	-532	
9	219.15	40,966	-409	0	0	9,310	0	1,655	0	7,657	20	-528	
10	218.72	39,876	-1,090	0	0	9,247	0	1,798	0	6,827	20	-207	
11	219.03	40,660	784	0	0	9,200	0	1,890	0	7,792	20	-350	
12	218.36	38,970	-1,690	0	0	9,167	0	1,129	0	7,657	24	-370	
13	218.35	38,945	-25	0	0	8,321	0	554	0	7,908	26	-273	
14	218.00	38,072	-873	0	0	9,154	0	904	0	7,946	26	-527	
15	217.80	37,578	-494	0	0	8,922	0	990	0	7,904	26	-360	
16	217.51	36,867	-711	0	0	8,983	0	675	0	6,625	26	-356	
17	218.55	39,448	2,581	0	0	8,707	0	746	0	7,724	26	-313	
18	218.47	39,246	-202	0	0	8,449	241	580	0	7,573	26	-193	
19	218.72	39,876	630	0	0	8,887	717	237	0	7,621	29	-228	
20	219.96	43,048	3,172	0	110	8,615	665	51	0	7,867	27	-480	
21	220.62	44,766	1,718	0	11	8,473	634	0	0	7,943	27	-366	
22	221.39	46,784	2,018	0	246	8,461	718	0	0	8,510	27	-759	
23	221.64	47,441	657	0	448	6,302	467	0	0	7,138	27	-205	
24	221.63	47,414	-27	0	587	7,931	0	0	0	7,643	27	-275	
25	222.16	48,810	1,396	0	718	7,999	0	0	0	7,414	27	-387	
26	222.90	50,779	1,969	0	822	8,002	487	0	0	8,127	28	-151	
27	223.67	52,840	2,061	0	856	5,330	872	0	0	7,587	33	-79	
28	223.05	51,180	-1,660	0	660	5,094	456	0	0	8,038	33	-4	
29	221.56	47,230	-3,950	0	534	5,094	1,008	0	0	7,900	33	-441	
30	220.36	44,088	-3,142	0	688								
Total				6,066	0	5,680	255,636	6,287	28,591	0	224,873	788	-10,293
Mean cfs				---	0	189	8,521	210	953	0	7,496	26	-343
Acre-feet				6,066	0	11,268	507,048	12,471	56,711	0	446,034	1,563	-20,413

1/ Pump-in located at Mile 79.67R.

2/ Includes 77 AF delivered to DFG at O'Neill Forebay, 2 AF to Parks & Rec., 0 AF to the Cattle Program and 1,484 AF to San Luis Water District.

**Table 15. Consolidated State-Federal San Luis Reservoir**

Daily Operations

June 2007

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity: 2,027,835 ac-ft

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)	Outflow (cfs)			Computed Losses (-) Gains (+) (cfs)
				Gianelli Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	Pacheco Tunnel 1/	Parks and Rec. Del.	
May 31	455.10	1,023,273						
1	453.20	1,004,170	-19,103	0	9,758	353	0	480
2	451.30	985,188	-18,982	0	9,767	350	0	547
3	449.27	965,040	-20,148	0	9,708	327	0	-123
4	447.29	945,523	-19,517	0	9,648	350	0	158
5	445.40	927,018	-18,505	0	9,317	341	0	329
6	443.43	907,861	-19,157	0	9,549	339	0	230
7	441.48	889,032	-18,829	0	9,475	357	0	339
8	439.56	870,623	-18,409	0	9,408	355	0	482
9	437.60	851,966	-18,657	0	9,358	353	0	305
10	435.57	832,787	-19,179	0	9,310	322	0	-37
11	433.69	815,159	-17,628	0	9,247	13	0	373
12	431.80	797,566	-17,593	0	9,200	106	0	436
13	429.80	779,093	-18,473	0	9,167	365	0	219
14	428.00	762,595	-16,498	0	8,321	388	0	391
15	425.90	743,508	-19,087	0	9,154	407	0	-62
16	424.00	726,352	-17,156	0	8,922	395	0	668
17	421.99	708,367	-17,985	0	8,983	359	0	275
18	419.99	690,639	-17,728	0	8,707	387	0	156
19	418.03	673,429	-17,210	0	8,449	383	0	155
20	415.97	655,517	-17,912	0	8,887	379	0	235
21	413.93	637,957	-17,560	0	8,615	381	0	143
22	411.92	620,831	-17,126	0	8,473	373	0	212
23	409.89	603,713	-17,118	0	8,461	371	0	202
24	408.30	590,430	-13,283	0	6,302	356	0	-39
25	406.41	574,785	-15,645	0	7,931	346	0	389
26	404.40	558,320	-16,465	0	7,999	323	0	21
27	402.36	541,792	-16,528	0	8,002	323	0	-8
28	401.00	530,877	-10,915	0	5,330	320	0	147
29	399.65	520,125	-10,752	0	5,094	322	0	-5
30	398.31	509,533	-10,592	0	5,094	288	1	43
Total			-513,740	0	255,636	10,032	1	6,661
Mean cfs			---	0	8,521	334	0	222
Acre-feet			-513,740	0	507,048	19,898	1	13,207

1/ Pacheco Tunnel, San Felipe Split; Santa Clara 15,903 AF, Casa De Fruta 0 AF, and San Benito 3,995 AF.

**Table 16. San Luis Field Division Plant Data**

(in acre-feet)

**June 2007**

Date	Dos Amigos Pumping Plant		Gianelli Pumping - Generating Plant				San Felipe Project
	Total Pumping	SWP Pumping 1/ 2/	Total Generation	SWP Generation 1/ 2/	Total Pumping	SWP Pumping 1/ 2/	Federal
1	14,808	8,791	19,355	9,368	0	0	700
2	14,063	7,999	19,372	9,312	0	0	694
3	13,203	7,022	19,256	9,147	0	0	649
4	13,041	6,860	19,136	8,894	0	0	694
5	13,178	7,052	18,480	8,109	0	0	676
6	14,357	8,238	18,941	8,521	0	0	673
7	13,891	7,842	18,794	8,467	0	0	708
8	14,703	8,551	18,661	8,393	0	0	705
9	14,652	8,494	18,561	8,202	0	0	701
10	15,187	8,970	18,466	8,023	0	0	639
11	13,541	7,449	18,341	7,747	0	0	26
12	15,455	9,343	18,248	8,659	0	0	211
13	15,188	9,088	18,182	8,524	0	0	724
14	15,685	9,528	16,505	9,055	0	0	769
15	15,760	9,692	18,156	10,901	0	0	808
16	15,678	9,482	17,696	9,539	0	0	784
17	13,141	7,018	17,818	8,991	0	0	713
18	15,321	9,220	17,270	8,382	0	0	767
19	15,022	8,926	16,759	7,941	0	0	759
20	15,116	9,010	17,627	9,509	0	0	751
21	15,604	9,537	17,088	11,015	0	0	755
22	15,755	9,680	16,806	11,240	0	0	739
23	16,880	10,707	16,782	10,469	0	0	735
24	14,158	7,955	12,501	9,736	0	0	706
25	15,160	8,986	15,732	9,408	0	0	686
26	14,706	8,468	15,866	11,601	0	0	641
27	16,120	10,243	15,871	10,739	0	0	640
28	15,048	9,129	10,572	6,197	0	0	634
29	15,943	10,567	10,103	5,863	0	0	639
30	15,670	10,331	10,103	6,115	0	0	572
Total	446,034	264,178	507,048	268,067	0	0	19,898

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping;  
adjustments to SWP water shares are made to balance the mismatch.

2/ Provisional, subject to change.

**Table 17. Consolidated State-Federal Los Banos Reservoir**

Daily Operations

June 2007

United States  
Department of the Interior  
Bureau of Reclamation  
Central Valley Project

State of California  
The Resources Agency  
Department of Water Resources  
State Water Project

Capacity 34,560 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
May 31	325.99	19,735					
1	325.98	19,731	-4	0	0	0	-4
2	325.95	19,717	-14	0	0	0	-14
3	325.94	19,712	-5	0	0	0	-5
4	325.91	19,699	-13	0	0	0	-13
5	325.86	19,676	-23	0	0	0	-23
6	325.83	19,662	-14	0	0	0	-14
7	325.81	19,653	-9	0	0	0	-9
8	325.79	19,644	-9	0	0	0	-9
9	325.77	19,634	-10	0	0	0	-10
10	325.75	19,625	-9	0	0	0	-9
11	325.73	19,616	-9	0	0	0	-9
12	325.71	19,607	-9	0	0	0	-9
13	325.70	19,602	-5	0	0	0	-5
14	325.68	19,593	-9	0	0	0	-9
15	325.65	19,580	-13	0	0	0	-13
16	325.60	19,557	-23	0	0	0	-23
17	325.58	19,548	-9	0	0	0	-9
18	325.56	19,538	-10	0	0	0	-10
19	325.52	19,520	-18	0	0	0	-18
20	325.49	19,507	-13	0	0	0	-13
21	325.47	19,497	-10	0	0	0	-10
22	325.44	19,484	-13	0	0	0	-13
23	325.40	19,465	-19	0	0	0	-19
24	325.36	19,447	-18	0	0	0	-18
25	325.34	19,438	-9	0	0	0	-9
26	325.30	19,420	-18	0	0	0	-18
27	325.26	19,402	-18	0	0	0	-18
28	325.24	19,393	-9	0	0	0	-9
29	325.21	19,379	-14	0	0	0	-14
30	325.18	19,365	-14	0	0	0	-14
Total			-370	0	0	0	-370
Mean cfs			---	0	0	0	---
Acre-feet			-370	0	0	0	-370

**Table 18. Consolidated State-Federal Little Panoche Reservoir**

Daily Operations

June 2007

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity: 5,580 ac-ft

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
May 31	602.45	818					
1	602.45	818	0	0	0	0	0
2	602.45	818	0	0	0	0	0
3	602.45	818	0	0	0	0	0
4	602.45	818	0	0	0	0	0
5	602.45	818	0	0	0	0	0
6	602.45	818	0	0	0	0	0
7	602.45	818	0	0	0	0	0
8	602.45	818	0	0	0	0	0
9	602.45	818	0	0	0	0	0
10	602.45	818	0	0	0	0	0
11	602.45	818	0	0	0	0	0
12	602.45	818	0	0	0	0	0
13	602.45	818	0	0	0	0	0
14	602.45	818	0	0	0	0	0
15	602.45	818	0	0	0	0	0
16	602.45	818	0	0	0	0	0
17	602.20	803	-15	0	0	0	-15
18	602.00	792	-11	0	0	0	-11
19	602.00	792	0	0	0	0	0
20	602.00	792	0	0	0	0	0
21	602.00	792	0	0	0	0	0
22	602.00	792	0	0	0	0	0
23	602.00	792	0	0	0	0	0
24	602.00	792	0	0	0	0	0
25	602.00	792	0	0	0	0	0
26	602.00	792	0	0	0	0	0
27	602.00	792	0	0	0	0	0
28	602.00	792	0	0	0	0	0
29	602.00	792	0	0	0	0	0
30	602.00	792	0	0	0	0	0
Total			-26	0	0	0	-26
Mean cfs			---	0	0	0	---
Acre-feet			-26	0	0	0	-26

**Table 19. Governor Edmund G. Brown California Aqueduct**

San Luis Field Division, Monthly Deliveries

(In acre-feet)

**June 2007**

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries				
	Beginning and Ending		Structure			USBR	Transfer	DWR	USBR	
	No.	Structure	Mile	Recreation				Recreation		
2B	12	Check No. 12	66.71		12,471					
3A	3A	San Luis Reservoir		Department of Parks and Recreation	1	15,903		1	0	
				San Felipe Division Santa Clara Water District	15,903					
				Casa de Fruita Santa Clara Water District	0					
				San Felipe Division San Benito Water District	3,995	3,995				
				Reach 3A Subtotal:	19,899			1	0	
3	3	O'Neill Forebay	70.85	Department of Parks and Recreation	2			1	1	
				Cattle Program	0			0	0	
				Department of Fish & Game	77			42	35	
		13	70.91 Thru 85.08	San Luis Water District	1,484	1,484				
				(Floodwater Inflow)	0					
				Reach 3 Subtotal:	1,563			1,484	36	
		Dos Amigos Pumping Plant	86.73		446,034					
4	4	14	89.03 Thru 94.06	San Luis Water District	11,221	11,221				
				Pacheco Water District	2,482					
				Panoche Water District	52					
				City of Dos Palos	202					
			Check No. 14	95.06						
		15	98.15 Thru 104.20	San Luis Water District	1,200	1,200				
				Panoche Water District	7,767					
				(Floodwater Inflow)	0					
				Broadview Water District	19,435					
				Westlands Water District	0					
		Check No.15	108.50							
			Reach 4 Subtotal:	42,359	42,359	0	0	0	0	
			San Felipe Division Total:	19,898	19,898	0	0	0	0	
			Pacheco Water District Total:	2,482	2,482	0	0	0	0	
			Broadview Water District Total:	19,435	19,435	0	0	0	0	
			City of Dos Palos Total:	202	202	0	0	0	0	
			SLWD Reach 4 Subtotal:	12,421	12,421	0	0	0	0	
			Panoche Water District Total:	7,819	7,819	0	0	0	0	
			SLWD Total:	13,905	13,905	0	0	0	0	
			Westlands WD Reach 4 Subtotal:	0	0	0	0	0	0	

**Table 19. Governor Edmund G. Brown California Aqueduct**

San Luis Field Division, Monthly Deliveries (Continued)

(In acre-feet)

**June 2007**

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries				
	Beginning and Ending				USBR	Transfer	DWR Recreation	USBR Recreation	
	No.	Structure	Mile						
5	16		110.52	(Reverse flow, Kings River)	0	23,785	1	0	
				Westlands Water District	23,785				
				Thru					
				Dept. of Fish and Game @ Lat. 4L	1				
				122.05					
	17		124.18	Dept. of Fish and Game @ Lat. 6L	0	17,803	0	0	
				Dept. of Fish and Game @ Lat. 7L	0				
				Check No. 16	122.07				
	18		133.81	Westlands Water District	17,803	17,708	1 / 1,300	0	
				Thru					
				142.61					
			Pleasant Valley Pumping Plant	143.16	Westlands Water District	13,942	967	0	
				143.16	City of Coalinga	967			
				Check No. 18	143.23				
					Reach 5 Subtotal:	75,506	74,205	1,300	1
6	19		145.26	GWF Energy	0	4	2 / 132	0	
				City of Huron	4				
				Kings County to Lemoore NAS Through WWD	132				
				Kings County through WWD 30L	81				
				Westlands Water District	28,536				
			Check No. 19	155.64		28,540	213	0	0
					Reach 6 Subtotal:	28,753			
7	20		156.34	City of Huron	125	125	0	0	0
			156.40	SWP Construction @ Lat. 24R	0				
			Thru	Kings County through WWD 31L, 32L, 33L, 34L, 35L, 36L	0				
			163.69	Westlands Water District	16,713				
	21		Check No. 20	164.69		16,713	302	0	0
			164.79	City of Avenal	302				
			167.04	Westlands Water District	5,920				
			171.67		283,483				
				Reach 7 Total:	23,060	23,060	0	0	0
				SWP Construction Total:	0	0	0	0	0
				Westlands WD Total:	125,707	124,407	1,300	0	0
				City of Coalinga Total:	967	967	0	0	0
				City of Huron Total:	129	129	0	0	0
				Kings County to Lemoore NAS Through WWD	132	0	132	0	0
				City of Avenal Total:	302	302	0	0	0
				Total San Luis Field Division Deliveries:	191,140	189,546	1,513	45	36

1/ Tulare Lake Basin WSD to WWD same land owner transfer. Hansen/Newton.

2/ Long-term point of delivery from County of Kings to Lemoore Naval Air Base.

3/ Point of delivery from County of Kings

**Table 20. Consolidated State-Federal San Luis Canal 1/**

Daily Operations

June 2007

United States  
Department of the Interior  
Bureau of Reclamation  
Central Valley Project

State of California  
The Resources Agency  
Department of Water Resources  
State Water Project

Date	Storage In Canal (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
			Non-Project	Dos Amigos Pumping Plant	San Luis Water District Pools 14 & 15 2/	Panoche Water District Pools 14 & 15	Westlands Water District Pools 15 thru 21 3/	Flow Past Check 21	
May 31	28,338								
1	28,490	152	0	7,466	244	128	2,529	4,438	-51
2	27,865	-625	0	7,090	244	128	2,529	4,647	143
3	28,310	445	0	6,656	244	128	2,529	4,108	577
4	28,844	534	0	6,575	244	128	2,529	3,799	395
5	28,923	79	0	6,644	244	128	2,529	3,955	251
6	29,195	272	0	7,238	244	132	2,529	4,246	50
7	29,037	-158	0	7,003	258	131	2,320	4,297	-76
8	29,004	-33	0	7,413	258	131	2,320	4,600	-121
9	28,791	-213	0	7,387	258	131	2,320	4,785	0
10	28,971	180	0	7,657	258	131	2,320	5,339	482
11	28,733	-238	0	6,827	258	131	2,320	4,469	231
12	28,488	-245	0	7,792	258	131	2,320	5,117	-89
13	28,515	27	0	7,657	258	132	2,324	4,711	-219
14	28,606	91	0	7,908	255	135	2,535	4,939	2
15	27,971	-635	0	7,946	255	135	2,535	5,342	1
16	28,276	305	0	7,904	255	135	2,535	4,672	-154
17	28,331	55	0	6,625	255	135	2,535	4,137	464
18	28,746	415	0	7,724	255	135	2,535	4,851	261
19	29,090	344	0	7,573	255	135	2,535	4,531	56
20	28,656	-434	0	7,621	255	135	2,540	4,945	35
21	28,653	-3	0	7,867	253	131	2,489	5,059	63
22	29,012	359	0	7,943	253	131	2,489	4,952	63
23	29,700	688	0	8,510	253	131	2,489	5,446	156
24	29,566	-134	0	7,138	253	131	2,489	4,944	611
25	29,469	-97	0	7,643	253	131	2,489	5,146	327
26	28,787	-682	0	7,414	253	131	2,489	5,288	403
27	29,902	1,115	0	8,127	255	131	2,492	4,774	88
28	29,462	-440	0	7,587	262	130	2,464	5,009	56
29	29,254	-208	0	8,038	262	130	2,464	5,364	77
30	29,962	708	0	7,900	263	130	2,465	5,012	328
Total		1,624	0	224,873	7,615	3,942	73,987	142,921	4,410
Mean cfs		---	0	7,496	254	131	2,466	4,764	147
Acre-feet		1,624	0	446,034	15,105	7,819	146,754	283,483	8,751

1/ San Luis Canal includes Pools 14 through 21 of the California Aqueduct.

2/ Includes 2,481 AF AG, 1 AF M&I to Pacheco W.D., 202 AF to the City of Dos Palos and 12,421 AF to San Luis Water District.

3/ Includes 125 AF to the City of Huron, 302 AF to the City of Avenal, 967 AF to the City of Coalinga, 4 AF to City of Huron P&R @ 22R, 132 AF to Lemoore N.A.S. @ 29L, 0 AF to GWF @ 30L, 81 AF to Kings County @ 30L, 0 AF to Broadview WD @ 4L, 1 AF DFG @ 4L, 0 AF to Mendota Water Fowl Habitat Area @ 6L, 0 AF DFG @ 7L, 0 AF Non-Project Water and 145,142 AF to Westlands Water District.

**Table 21. San Joaquin Field Division Plant Data**

(in acre-feet)

**June 2007**

Date	Coastal Aqueduct					California Aqueduct				
	Las Perillas Pumping Plant	Badger Hill Pumping Plant	Devil's Den Pumping Plant	Bluestone Pumping Plant	Polonio Pass Pumping Plant	Buena Vista Pumping Plant	Teerink Pumping Plant	Chrisman Pumping Plant	Edmonston Pumping Plant	
23	1	703	703	127	119	130	5,927	5,541	5,106	4,924
	2	664	664	137	130	139	5,420	4,919	4,513	4,429
	3	733	733	110	103	112	5,565	5,378	5,038	5,045
	4	715	715	129	123	129	5,445	5,108	4,665	4,604
	5	562	562	112	104	116	5,544	5,143	4,737	4,619
	6	579	579	124	134	124	6,099	5,462	4,988	4,951
	7	664	664	129	121	129	5,790	5,609	5,137	5,012
	8	655	655	126	117	127	6,202	5,793	5,282	5,160
	9	688	688	129	123	131	6,375	6,025	5,613	5,250
	10	730	730	124	116	127	6,964	6,991	6,669	6,755
	11	635	635	125	118	127	6,039	5,826	5,281	5,163
	12	674	674	130	122	133	6,223	5,847	5,407	5,089
	13	695	695	129	121	129	5,237	4,645	4,113	3,944
	14	772	772	145	137	146	5,271	4,954	4,551	4,020
	15	794	794	135	126	137	5,594	5,099	4,597	4,538
	16	783	783	132	123	135	5,333	4,899	4,353	4,277
	17	765	765	133	124	137	5,014	4,305	3,921	3,868
	18	775	775	127	120	131	6,186	5,391	4,965	4,813
	19	791	791	124	117	127	5,507	5,103	4,671	4,598
	20	796	796	125	119	128	5,314	4,647	4,164	3,905
	21	791	791	131	126	135	5,812	5,327	4,841	4,653
	22	799	799	125	113	123	5,428	5,048	4,600	4,513
	23	735	735	151	144	153	6,724	6,183	5,693	5,537
	24	783	783	122	115	124	6,301	6,527	6,069	6,151
	25	798	798	138	131	139	6,478	6,071	5,632	5,459
	26	776	776	122	114	124	7,481	6,813	6,339	6,107
	27	740	740	102	95	104	6,539	6,338	5,803	5,640
	28	754	754	124	113	121	7,108	6,652	6,065	5,867
	29	767	767	120	113	123	7,174	6,826	6,284	6,164
	30	778	778	124	118	127	7,398	6,799	6,367	6,164
Total		21,894	21,894	3,811	3,599	3,867	181,492	169,269	155,464	151,219

**Table 22. Governor Edmund G. Brown California Aqueduct**

San Joaquin Field Division, Monthly Deliveries

(In acre-feet)

**June 2007**

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries							
	Beginning and Ending		Mile			Table A	USBR	Recovery	Exchange	Castaic Lake WA			
	No.	Structure											
7	21	Check No. 21	172.40		283,483								
8C	22		172.66	Empire West Side Irrig. Dist. TL - A	27	27	1,283	1/ 1,251	1/ 749				
				County of Kings TL - A	0								
				Tulare Lake Basin WSD TL-A	1,283								
				175.18 Dudley Ridge WD - 1	1,251								
				177.54 Dudley Ridge WD - 1B	323								
				180.64 Tulare Lake Basin WSD - C	0								
				180.65 Dudley Ridge WD - 1A	1,205								
				182.99 Dudley Ridge WD - 2	3,475								
				183.00 Tulare Lake Basin WSD TL - B	12,105								
				County of Kings TL-B	0								
31A				184.00 Dudley Ridge WD - Paramount	0								
8D				184.63 Coastal Branch	21,894								
				184.78 Dudley Ridge WD - 3	4,824	615	2/ 2,209	3/ 2,000					
				Dudley Ridge Reach 8D Total:	11,078	4,869	0	2,209	4,000	0			
				Tulare Lake Basin WSD Total:	13,388	13,388	0	0	0	0			
9	23		184.82	Kern County Water Agency Lost Hills Water Dist. - 1	8,657	8,657	1,867	494	1,438				
				191.18 Kern County Water Agency Lost Hills Water Dist. - 2	1,867								
				194.22 Kern County Water Agency Lost Hills Water Dist. - 3	494								
				196.40 Kern County Water Agency Berrenda Mesa - 2	1,438								
				196.75 Kern County Water Agency Lost Hills Water Dist. - 4	858								
				KCWA Reach 9 Subtotal:	13,314								
				Check No. 23	197.05								
				201.24 Kern County Water Agency Lost Hills Water Dist. - 7	1,309								
				202.05 Kern County Water Agency Lost Hills Water Dist. - 5	2,168								
				204.69 Kern County Water Agency Lost Hills Water Dist. - 6	0								
10A	24		205.26	Kern County Water Agency Lost Hills Water Dist. - 8	24	24	3,044	200	4/ 1,814				
				Check No. 24	207.94								
				209.71 Kern County Water Agency Belridge Water Storage Dist. - 1A	3,044								
				209.78 Kern National Wildlife Refuge USBR BV-1B	200								
					967								
				209.80 Kern County Water Agency Buena Vista WSD 1B	189								
					9,086								
				USBR Total:	200								
					16,787								
				KCWA Reach 10A Subtotal:	14,973	0	0	1,814	0	0			

1/ KCWA Exchange of Table A Water

2/ Includes 395 AF of Kern Water Bank Recovery and 1,814 AF of Same Federal Contractor Pump-in Recovery

3/ SGVMWD Exchange of Table A Water

4/ Same Federal Contractor Pump-in Recovery

**Table 22. Governor Edmund G. Brown California Aqueduct**

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

**June 2007**

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Table A	USBR	Recovery 1/	Exchange	Castaic Lake WA		
	No.	Structure	Mile									
11B	25		210.75	Kern County Water Agency Belridge - 2	0	929	10,808	5,371				
			214.11	Kern County Water Agency Belridge - 3	929							
			216.62	Kern County Water Agency Belridge - 4	0							
			217.13	Kern County Water Agency Belridge - 5	16,179							
				Kern County Water Agency Belridge - 5D	369							
		Check No. 25	217.79									
				KCWA Reach 11B Subtotal:	17,477	12,106	0	5,371	0	0		
12D	26		219.58	Kern County Water Agency Belridge - 6	0	359						
				Kern County Water Agency West Kern - 3	359							
		Check No. 26	224.92									
12E	27		230.37	Kern County Water Agency Buena Vista - 6	3,168	3,168				2/ 4,100		
			231.73									
			235.75	Kern County Water Agency Buena Vista - 2	6,423		2,323					
				Kern County WA CVC	7,039							
				DRWD CVC	0							
				Tulare Co.	0							
			238.04	Lower Tule River	0							
				Fresno Co.	0							
				Pixley ID	0							
				Hacienda								
				DWR Wells	0							
		Check No. 28	238.11									
				3/ Arvin Edison Total:	0	0	0	0	0	0		
				Reach 12E Subtotal:	16,630	12,530	0	0	0	4,100		
13B	29		238.19	Kern Water Bank Inflow	0	8,167						
				Kern Water Bank Outflow	0							
			241.02	Kern River Intertie (inflow)	0							
			242.85	KCWA Buena Vista WSD - 7	8,167							
				KCWA Buena Vista WSD - 5	1,614							
			243.09	Kern County Water Agency Buena Vista - 3	5,327		5,327					
			Check No. 29	244.54								
	30		249.85	Kern County Water Agency Buena Vista - 4	1,661	1,661						
			250.99		181,492							
				KCWA Reach 13B Subtotal:	16,769	16,769	0	0	0	0		
				Kern County Water Agency West Kern - 2	0							
14A	31		254.47	Kern County Water Agency Wheeler Ridge-Maricopa - 2	252							
			256.11									

1/ Same Federal Contractor Pump-in Recovery

2/ Castaic Lake WA Table A delivered to Rosedale Rio Bravo WSD for banking.

3/ Arvin Edison Contractors include Rag Gulch WD, Kern-Tulare WD, Fresno County, Hills Valley ID, Tri Valley WD, Tulare County, Lower Tule River ID, and Pixley ID.

**Table 22. Governor Edmund G. Brown California Aqueduct**

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

**June 2007**

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending					Table A	USBR	Recovery 1/	Exchange	Castaic Lake WA			
	No.	Structure	Mile										
14A	31	Check No. 31	256.14	Kern County Water Agency Wheeler Ridge-Maricopa - 3 Wheeler Ridge-Maricopa - 4	868 2,194	0	0	3,314	0	0			
	32		258.61										
			260.44										
		Check No. 32	261.72										
				KCWA Reach 14A Subtotal:	3,314								
14B	33		264.42	Kern County Water Agency Wheeler Ridge-Maricopa - 5	5,582	588	532	5,582					
			266.91	Kern County Water Agency Wheeler Ridge-Maricopa - 6	1,120								
			267.36	Check No. 33	4,391								
	34		270.24	Kern County Water Agency Wheeler Ridge-Maricopa - 7	4,391								
			271.27										
				KCWA Reach 14B Total:	11,093								
14C	35		272.39	Kern County Water Agency Wheeler Ridge-Maricopa - 8	2,782	2,782	1,592						
			276.09	Kern County Water Agency Wheeler Ridge-Maricopa - 9	1,592								
			277.30	Kern County Water Agency Arvin-Edison WSD	0								
				Reach 14C Total:	4,374								
		Teerink Pumping Plant	278.13		169,269								
15A	36		279.02	Kern County Water Agency Wheeler Ridge-Maricopa - 9A	1,063	1,063	6,658						
			280.06	Kern County Water Agency Wheeler Ridge-Maricopa - 10	6,658								
				Reach 15A Total:	7,721								
		Chrisman Pumping Plant	280.36		155,464								
16A	37		282.06	Kern County Water Agency Wheeler Ridge-Maricopa - 11	0	30	128						
			283.95										
	38		285.01	Kern County Water Agency Wheeler Ridge-Maricopa - 12	30	30	128						
			286.39	Kern County Water Agency Wheeler Ridge-Maricopa - 13A	128								
			287.06	Kern County Water Agency Wheeler Ridge-Maricopa - 13	0								
		Check No. 38	287.09										
	39		287.62	Kern County Water Agency Wheeler Ridge-Maricopa - 13B	390	390	1,779						
			290.21										
	40		291.26	Kern County Water Agency Wheeler Ridge-Maricopa - 14	1,779	530	1,192						
			293.07	Kern County Water Agency Wheeler Ridge-Maricopa - 15	530								
				Kern County Water Agency Tehachapi Cummings CWD	1,192								
				KCWA Reach 16A Subtotal:	4,049								
17E		Edmonston Pumping Plant	293.45		151,219								

1/ Same Federal Contractor Pump-in Recovery

**Table 23. Governor Edmund G. Brown California Aqueduct**

San Joaquin Field Division, Monthly Deliveries (Coastal Branch)

(In acre-feet)

June 2007

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending					Table A	USBR	Recovery 1/	Exchange	Castaic Lake WA			
	No.	Structure	Mile										
31A	C-1	Coastal Branch Control	0.02		21,894								
		Las Perillas Pumping Plant	1.16		21,894								
	C-2		3.79	Green Valley Water District	0								
		Badger Hill Pumping Plant	4.27		21,894								
	C-3	Coastal Check No. 3	7.21										
	C-4		9.34	Castaic Lake WA (Devil's Den WD #1)	0								
		Coastal Check No. 4	9.34										
	C-5	Coastal Check No. 5	12.20										
	C-6		13.30	Kern County Water Agency Berrenda Mesa - 3	1,669		1,669	10,899					
			14.83	Kern County Water Agency Berrenda Mesa - 1	15,432		4,533						
				Kern County Water Agency Berrenda Mesa - PO	0								
		Devil's Den Pumping Plant	14.86		3,811								
				KCWA Reach 31A Subtotal:	17,101	6,202	0	10,899	0	0			
				KCWA Total:	128,988	97,376	0	27,512	0	4,100			
33A	C-7	Bluestone Pumping Plant	19.05		3,599								
	C-8	Polonio Pass Pumping Plant	26.54		3,867								
	C-9	Tank Site 1	27.81	(CCWA) Polonio Pass Treatment Plant	0								
	C-10	Shandon T.O.	38.23	Santa Barbara County (CCWA)	3,483		3,483						
		Tank Site 2	58.63	Central Coast:	0								
34	C-11	Chorro Valley T.O.	69.31	San Luis Obispo County (CCWA)	330		330						
		Energy Dissipater	78.12										
35	C-12	Lopez T.O.	85.86	SLOCFC & WCD	0		3,813	0	0	0			
		Guadalupe T.O.	102.70	SBCFC & WCD	0								
		Santa Maria T.O.	107.43	SBCFC & WCD	0								
		So. Cal. Water T.O.	109.20	SBCFC & WCD	0								
				SBCFC & WCD Total:	0								
38		Tank Site 5	115.42										

1/ Same Federal Contractor Pump-in Recovery

**Table 24. Southern Field Division Plant Data**

(in acre-feet)

June 2007

Date	West Branch					East Branch							East Branch Extension					
	Oso Pumping Plant	Warne Powerplant			Castaic Powerplant	Alamo Powerplant			Pearblossom Pumping Plant	Mojave Siphon Powerplant			Devil Canyon Powerplant Generation	Green Spot	Crafton Hills	Cherry Valley		
		Generation	Leakage	Gorman Crk. Improvement Channel	Generation 1/	Pumpback 1/	Generation	Bypass Through Plant		Tehachapi Afterbay Bypass	Generation	Leakage	Bypass Flume					
28	1	2,395	2,321	0	0	2,149	0	2,244	0	149	1,897	2,120	0	0	2,905	72	51	32
	2	1,912	2,035	0	0	1,372	733	2,116	0	167	2,052	1,925	0	0	3,210	34	21	0
	3	840	527	0	0	1,413	1,142	3,058	0	793	3,313	3,407	0	0	3,402	34	21	26
	4	1,366	1,415	0	0	3,638	1,471	2,826	0	320	2,867	3,165	0	0	3,244	77	52	23
	5	1,545	1,386	0	0	2,326	930	2,896	0	521	2,994	2,913	0	0	3,217	65	41	17
	6	1,549	1,385	0	0	3,155	1,227	2,973	0	504	2,925	2,996	0	0	3,189	31	16	0
	7	1,691	1,394	0	0	3,605	558	2,330	0	851	2,916	2,661	0	0	3,206	30	15	0
	8	1,057	1,388	0	0	5,200	938	3,208	0	372	2,969	3,226	0	0	3,316	28	15	0
	9	1,324	1,390	0	0	491	1,069	3,440	0	496	3,617	3,468	0	0	3,185	0	0	0
	10	2,121	1,396	0	0	548	1,989	3,417	0	529	3,709	3,637	0	0	3,083	20	12	0
	11	1,374	1,398	0	0	3,168	730	3,219	0	264	3,176	3,499	0	0	3,303	29	14	0
	12	1,566	1,395	0	0	2,149	739	2,164	0	1,332	3,242	3,281	0	0	3,123	0	0	0
	13	1,270	1,395	0	0	3,319	1,959	2,477	0	318	3,012	2,971	0	0	3,232	34	22	0
	14	1,121	1,395	0	0	4,243	1,076	2,900	0	215	1,939	2,323	0	0	3,322	30	22	0
	15	1,328	1,386	0	0	3,431	901	2,707	0	455	2,605	2,534	0	0	3,158	27	24	0
	16	1,471	1,399	0	0	1,163	1,041	2,366	0	83	1,699	2,414	0	0	3,285	34	30	0
	17	561	1,315	0	0	421	3,255	2,422	0	496	2,043	2,102	0	0	3,201	0	0	0
	18	1,426	1,398	0	0	3,442	1,491	3,077	0	323	3,333	3,323	0	0	3,514	33	26	0
	19	1,799	1,407	0	0	2,869	1,076	2,154	0	446	1,798	1,896	0	0	3,296	31	24	0
	20	1,324	1,478	0	0	2,785	1,068	2,089	0	571	2,870	2,816	0	0	3,340	29	22	0
	21	1,189	1,451	0	0	3,249	997	2,048	0	1,107	2,630	2,843	0	0	3,253	34	26	0
	22	1,240	1,527	0	0	3,146	1,192	2,864	0	347	2,942	2,853	0	0	3,581	34	26	0
	23	1,357	1,538	0	0	766	1,123	2,857	0	934	3,477	3,464	0	0	3,330	0	0	0
	24	1,264	1,381	0	0	344	1,982	2,941	0	1,488	3,700	3,686	0	0	3,512	28	27	0
	25	1,448	1,286	0	0	2,643	1,174	2,870	0	714	3,940	3,608	0	0	3,369	33	25	0
	26	1,704	1,342	0	0	2,678	591	2,819	0	1,190	3,592	3,972	0	0	3,339	32	26	0
	27	1,631	1,150	0	0	3,209	0	2,850	0	736	3,489	3,242	0	0	3,255	33	26	0
	28	1,571	1,653	0	0	2,086	576	2,911	0	1,165	3,705	3,654	0	0	3,330	33	23	0
	29	1,919	1,259	0	0	3,904	1,610	2,983	0	872	3,798	3,866	0	0	3,329	31	24	0
	30	1,900	1,275	0	0	110	2,016	2,975	0	1,149	3,779	3,734	0	0	3,332	0	0	0
	Total	44,263	42,465	0	0	73,022	34,654	82,201	0	18,907	90,028	91,599	0	0	98,361	896	631	98

1/ Values supplied by LADWP, not verified by DWR.

**Table 25. Pyramid Lake**  
Daily Operation

Capacity: 171,200 ac-ft

(in acre-feet except as noted)

**June 2007**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow				Outflow				Computed Losses (-) And Gains (+)	
				Project			Natural	Project			Natural		
				Castaic Powerplant Pumpback 1/	Warne Power-plant	Gorman Creek Improve. Channel	Stream Flow	Castaic Powerplant Generation 1/	Recrea-tion Deliveries	To Piru Creek	United Water Agency		
May 31	2571.26	161,345											
1	2572.05	162,333	988	0	2,321	0	16	2,149	0	16	0	816	
2	2572.02	162,296	-38	733	2,035	0	16	1,372	0	16	0	-1,434	
3	2572.22	162,546	251	1,142	527	0	15	1,413	0	16	0	-4	
4	2571.57	161,733	-814	1,471	1,415	0	15	3,638	0	16	0	-61	
5	2571.62	161,795	63	930	1,386	0	16	2,326	1	16	0	74	
6	2570.90	160,897	-898	1,227	1,385	0	16	3,155	0	16	0	-355	
7	2569.35	158,973	-1,923	558	1,394	0	16	3,605	0	16	0	-270	
8	2566.81	155,854	-3,120	938	1,388	0	16	5,200	0	14	0	-248	
9	2568.57	158,011	2,157	1,069	1,390	0	15	491	0	14	0	188	
10	2570.90	160,897	2,885	1,989	1,396	0	14	548	0	14	0	48	
11	2570.02	159,803	-1,094	730	1,398	0	14	3,168	0	14	0	-54	
12	2569.43	159,072	-731	739	1,395	0	14	2,149	0	14	0	-716	
13	2569.43	159,072	0	1,959	1,395	0	14	3,319	0	14	0	-35	
14	2567.89	157,175	-1,897	1,076	1,395	0	13	4,243	0	14	0	-124	
15	2566.90	155,964	-1,212	901	1,386	0	13	3,431	0	12	0	-69	
16	2567.92	157,212	1,249	1,041	1,399	0	13	1,163	0	12	0	-29	
17	2571.40	161,520	4,308	3,255	1,315	0	13	421	0	12	0	158	
18	2570.84	160,822	-698	1,491	1,398	0	13	3,442	0	12	0	-146	
19	2570.40	160,275	-547	1,076	1,407	0	13	2,869	0	12	0	-162	
20	2570.13	159,939	-335	1,068	1,478	0	12	2,785	0	12	0	-96	
21	2569.52	159,184	-756	997	1,451	0	12	3,249	0	10	0	43	
22	2569.10	158,665	-519	1,192	1,527	0	12	3,146	0	10	0	-94	
23	2570.69	160,635	1,971	1,123	1,538	0	12	766	0	10	0	74	
24	2573.20	163,778	3,143	1,982	1,381	0	12	344	0	10	0	122	
25	2572.87	163,363	-416	1,174	1,286	0	12	2,643	0	10	0	-235	
26	2572.20	162,521	-841	591	1,342	0	12	2,678	0	10	0	-98	
27	2570.57	160,486	-2,035	0	1,150	0	12	3,209	0	10	0	22	
28	2570.45	160,337	-149	576	1,653	0	12	2,086	0	9	0	-295	
29	2569.43	159,072	-1,264	1,610	1,259	0	12	3,904	0	9	0	-232	
30	2572.11	162,408	3,336	2,016	1,275	0	11	110	0	9	0	153	
Total				1,063	34,654	42,465	0	406	73,022	1	379	0	-3,060

1/ Values supplied by LADWP, not verified by DWR.

**Table 26. Elderberry Forebay**

Daily Operation

(in acre-feet except as noted)

Capacity: 32,476 ac-ft

**June 2007**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow			Computed Losses (-) And Gains (+)	
				Castaic Powerplant Generation 1/	Natural	Castaic Powerplant Pumpback 1/	To Castaic Lake			
							Natural	Project 1/		
May 31	1522.13	24,156								
1	1521.12	23,720	-436	2,149	0	0	0	2,584	-1	
2	1515.64	21,421	-2,299	1,372	0	733	0	2,939	1	
3	1516.35	21,712	291	1,413	0	1,142	0	0	20	
4	1521.50	23,884	2,172	3,638	0	1,471	0	0	5	
5	1520.56	23,480	-404	2,326	0	930	0	1,800	0	
6	1516.80	21,897	-1,582	3,155	0	1,227	0	3,511	1	
7	1515.10	21,201	-696	3,605	0	558	0	3,743	0	
8	1525.04	25,433	4,232	5,200	0	938	0	0	-30	
9	1523.51	24,758	-675	491	0	1,069	0	0	-97	
10	1520.03	23,253	-1,505	548	0	1,989	0	0	-64	
11	1525.55	25,660	2,407	3,168	0	730	0	0	-31	
12	1523.12	24,588	-1,072	2,149	0	739	0	2,482	0	
13	1516.03	21,580	-3,007	3,319	0	1,959	0	4,369	2	
14	1517.32	22,113	532	4,243	0	1,076	0	2,633	-2	
15	1523.17	24,609	2,497	3,431	0	901	0	0	-33	
16	1523.51	24,758	149	1,163	0	1,041	0	0	27	
17	1516.73	21,868	-2,890	421	0	3,255	0	0	-56	
18	1521.39	23,836	1,968	3,442	0	1,491	0	0	17	
19	1525.64	25,700	1,864	2,869	0	1,076	0	0	71	
20	1524.21	25,066	-634	2,785	0	1,068	0	2,352	1	
21	1517.77	22,300	-2,766	3,249	0	997	0	5,017	-1	
22	1520.52	23,463	1,163	3,146	0	1,192	0	790	-1	
23	1519.48	23,019	-443	766	0	1,123	0	0	-86	
24	1515.42	21,331	-1,688	344	0	1,982	0	0	-50	
25	1518.84	22,749	1,418	2,643	0	1,174	0	0	-51	
26	1516.66	21,839	-909	2,678	0	591	0	2,996	0	
27	1524.38	25,141	3,302	3,209	0	0	0	0	93	
28	1527.74	26,645	1,504	2,086	0	576	0	0	-6	
29	1527.17	26,387	-258	3,904	0	1,610	0	2,551	-1	
30	1512.95	20,337	-6,049	110	0	2,016	0	4,144	1	
Total				-3,819	73,022	0	34,654	0	41,911	
									-276	

1/ Values supplied by LADWP, not verified by DWR.

**Table 27. Castaic Lake**

Daily Operation

(in acre-feet except as noted)

Capacity: 323,699 ac-ft

**June 2007**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow		Computed Losses (-) And Gains (+)	
				From Elderberry Forebay 1/		Natural	Deliveries	Released To Castaic Lagoon		
				Natural	Project					
May 31	1508.29	308,903								
1	1508.13	308,557	-346	0	2,584	0	2,896	100	66	
2	1508.18	308,666	109	0	2,939	0	2,795	103	68	
3	1506.94	305,977	-2,689	0	0	0	2,759	103	173	
4	1505.62	303,131	-2,846	0	0	0	2,754	105	13	
5	1505.21	302,250	-881	0	1,800	0	2,752	105	176	
6	1505.69	303,281	1,031	0	3,511	0	2,547	0	67	
7	1506.34	304,681	1,400	0	3,743	0	2,543	0	200	
8	1505.14	302,099	-2,582	0	0	0	2,514	0	-68	
9	1504.10	299,872	-2,227	0	0	0	2,398	0	171	
10	1502.97	297,463	-2,409	0	0	0	2,398	0	-11	
11	1501.77	294,918	-2,545	0	0	0	2,581	0	36	
12	1501.97	295,341	423	0	2,482	0	2,652	0	593	
13	1502.73	296,953	1,612	0	4,369	0	2,715	0	-42	
14	1502.70	296,889	-64	0	2,633	0	2,841	0	144	
15	1501.42	294,178	-2,711	0	0	0	2,749	0	38	
16	1500.10	291,396	-2,782	0	0	0	2,747	0	-35	
17	1498.86	288,798	-2,598	0	0	0	2,643	0	45	
18	1497.62	286,213	-2,585	0	0	0	2,615	0	30	
19	1496.26	283,394	-2,819	0	0	0	2,821	0	2	
20	1496.01	282,877	-517	0	2,352	0	2,844	0	-25	
21	1496.98	284,884	2,007	0	5,017	0	2,929	0	-81	
22	1495.98	282,815	-2,069	0	790	0	3,083	0	224	
23	1494.58	279,934	-2,881	0	0	0	2,938	0	57	
24	1493.18	277,070	-2,864	0	0	0	2,809	0	-55	
25	1491.82	274,304	-2,766	0	0	0	2,718	0	-48	
26	1491.94	274,548	244	0	2,996	1	2,837	0	84	
27	1490.54	271,717	-2,831	0	0	1	2,817	0	-15	
28	1489.10	268,822	-2,895	0	0	1	2,918	0	22	
29	1488.98	268,581	-241	0	2,551	1	2,922	0	129	
30	1489.58	269,786	1,205	0	4,144	1	3,006	0	66	
Total				-39,117	0	41,911	5	82,541	516	2,024

1/ Values supplied by LADWP, not verified by DWR.

**Table 28. Governor Edmund G. Brown California Aqueduct**

Southern Field Division, Monthly Deliveries (West Branch)

(In acre-feet)

**June 2007**

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Table A	Recreation	Transfer	Recovery	Exchange		
	No.	Structure	Mile									
29A	42	Oso Pumping Plant	1.49		44,263							
29F	W2	Quail Lake	5.02	Antelope Valley-East Kern Water Agency	Removed		1					
		Quail Lake Embankment	7.82	Antelope Valley-East Kern Water Agency	Stub							
29G		Warne Power Plant	14.07	(Does not Include 0 AF of flow through Gorman Creek Imp. Channel)	42,465							
29H	W3	Pyramid Lake		USFS			1					
				Pyramid Recreation (T300)	1							
		Pyramid Dam	17.10	United WA (T300)	0							
29J	W4	Castaic Power Plant	25.82	California State Park Piru Fish (T300)	0		73,022					
		Elderberry Forebay										
		Forebay Dam	28.12									
30 1/	W5	Castaic Lake		California State Park			26					
		Castaic Dam	31.47	Castaic Lake Recreation (T301)	26							
		Castaic Lake Outlet	31.55	MWD 78" & 132" (T302)	77,242		77,242					
				Castaic Lake WA 18", 24" & 54" (T303)	2,663							
				Castaic Lake WA Rio Vista T.P. (T304)	2,486							
				MWD-Ventura Co. WPD (T302)	124							
				Releases to Lagoon	516							
				Reach 30 Subtotal:	82,541		82,515	26	0	0		
				California State Park Recreation to Lagoon (T353)	0							
	W6	Castaic Lagoon Outlet	31.87		295							

1/ Reach 30 actually terminates at mile 31.50. It is shown here as including the outlet works at mile 31.55.

All deliveries from the outlet works and from the Lagoon are billed to Reach 30.

2/ Value Supplied by LADWP, not verified by DWR

**Table 29. Silverwood Lake**

Daily Operation

(in acre-feet except as noted)

Capacity: 74,970 ac-ft

**June 2007**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow				Computed Losses (-) And Gains (+)	Las Flores Ranch Exchange 1/		
				Mojave Siphon Power-plant	Mojave Bypass Flume	Natural Stream Flow	Delivered to CLAWA	Rec.	San Bernardino Tunnel	Del. To Mojave W.A.	Natural To Mojave River			
May 31	3353.09	73,118												
1	3352.44	72,494	-624	2,120	0	1	8	0	2,905	0	0	168	0	
2	3350.94	71,063	-1,431	1,925	0	1	9	0	3,210	0	0	-138	0	
3	3350.92	71,045	-18	3,407	0	1	11	1	3,402	0	1	-11	0	
4	3350.89	71,017	-28	3,165	0	1	8	0	3,244	0	0	58	0	
5	3350.56	70,705	-312	2,913	0	1	9	0	3,217	0	0	0	0	
6	3350.31	70,469	-236	2,996	0	1	9	1	3,189	0	1	-33	0	
7	3349.60	69,800	-669	2,661	0	1	10	1	3,206	0	0	-114	0	
8	3349.60	69,800	0	3,226	0	1	8	0	3,316	0	0	97	0	
9	3350.00	70,176	376	3,468	0	1	9	1	3,185	0	1	103	0	
10	3350.59	70,733	557	3,637	0	1	10	0	3,083	0	0	12	0	
11	3350.84	70,970	237	3,499	0	0	9	0	3,303	0	0	50	0	
12	3350.84	70,970	0	3,281	0	0	11	1	3,123	0	0	-146	0	
13	3350.53	70,676	-294	2,971	0	0	12	0	3,232	0	0	-21	0	
14	3349.72	69,913	-763	2,323	0	0	4	0	3,322	0	0	240	0	
15	3348.79	69,042	-871	2,534	0	0	8	1	3,158	0	1	-237	0	
16	3347.92	68,233	-809	2,414	0	0	12	1	3,285	0	0	75	0	
17	3346.85	67,245	-988	2,102	0	0	10	0	3,201	0	0	121	0	
18	3346.63	67,043	-202	3,323	0	0	9	1	3,514	0	1	0	0	
19	3344.74	65,319	-1,724	1,896	0	0	10	0	3,296	0	0	-314	0	
20	3344.21	64,840	-479	2,816	0	0	6	0	3,340	0	0	51	0	
21	3343.65	64,336	-504	2,843	0	0	7	1	3,253	0	0	-86	0	
22	3342.61	63,405	-931	2,853	0	0	7	0	3,581	0	0	-196	0	
23	3342.81	63,583	178	3,464	0	0	7	0	3,330	0	0	51	0	
24	3343.28	64,004	421	3,686	0	0	8	1	3,512	0	1	257	0	
25	3343.51	64,210	206	3,608	0	0	7	0	3,369	0	0	-26	0	
26	3344.44	65,047	837	3,972	0	0	10	0	3,339	0	0	214	0	
27	3344.32	64,939	-108	3,242	0	0	9	1	3,255	0	1	-84	0	
28	3344.66	65,246	307	3,654	0	0	12	0	3,330	0	0	-5	0	
29	3345.25	65,782	536	3,866	0	0	13	0	3,329	0	0	12	0	
30	3345.64	66,137	355	3,734	0	0	12	1	3,332	0	1	-33	0	
Total				-6,981	91,599	0	10	274	12	98,361	0	8	65	0

1/ Project water delivered from Mojave Siphon in exchange for like amount of Natural Streamflow.

**Table 30. Lake Perris**

Daily Operation

(in acre-feet except as noted)

Capacity: 131,452 ac-ft

**June 2007**

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow 1/	Outflow 2/	Computed Losses (-) Gains (+) 1/
May 31	1560.55	69,930				
1	1560.55	69,930	-1		5	
2	1560.58	69,984	55		5	
3	1560.47	69,783	-201		5	
4	1560.49	69,820	37		64	
5	1560.55	69,930	110		6	
6	1560.44	69,728	-201		5	
7	1560.88	70,535	807		11	
8	1560.80	70,388	-147		6	
9	1560.88	70,535	147		5	
10	1560.74	70,278	-257		14	
11	1560.74	70,278	0		119	
12	1560.66	70,131	-147		55	
13	1560.80	70,388	257		55	
14	1561.02	70,793	405		55	
15	1560.91	70,590	-202		55	
16	1560.88	70,535	-55		56	
17	1560.88	70,535	0		56	
18	1560.88	70,535	0		56	
19	1560.77	70,333	-202		55	
20	1560.74	70,278	-55		55	
21	1560.69	70,186	-92		55	
22	1560.63	70,076	-110		56	
23	1560.58	69,984	-92		55	
24	1560.55	69,930	-55		55	
25	1560.52	69,875	-55		55	
26	1560.44	69,728	-146		56	
27	1560.63	70,076	348		159	
28	1560.66	70,131	55		56	
29	1560.58	69,984	-147		55	
30	1560.66	70,131	147		55	
Total		201		3,705	1,400	-2,104

1/ Readings are not taken on a daily basis. End of month only.

2/ Includes deliveries to MWD from Reach 28J and recreation water to California State Park at Lake Perris.

**Table 31. Governor Edmund G. Brown California Aqueduct**

Southern Field Division, Monthly Deliveries (East Branch)

(In acre-feet)

June 2007

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Structure			Table A	Recreation	Transfer	Recovery	Exchange	
	No.	Structure	Mile								
17E	40	Edmonston Pumping Plant	293.45		151,219						
	41		298.65	KCWA Tej.-Cas	Stub						
17F		Check No. 41	303.41								
18A	42		304.99	AVEK WA-Temp for TEA construction (T389)	0						
		Check No. 42	304.99								
18A	43	Alamo Powerplant	305.73	(Includes 82,201 AF generation, 0 AF plant bypass, and 18,907 AF Tehachapi bypass)	101,108						
19	44		306.71	AVEK 305th Street West (T287)	731						
			308.05	AVEK 294th Street West (T267)	0						
19	45	Check No. 43	309.70								
			311.84	LADWP Connection	0						
19	46		313.50	AVEK 245th Street West (T269)	0						
			314.81								
19	47	Check No. 44	314.93	AVEK 235th Street West (T270)	0						
			315.57	AVEK 225th Street West (T271)	0						
19	48	Check No. 45	319.74								
			323.19	Antelope Valley-East Kern WA Fairmont (T272)	2,637						
19	49			Mojave Water Agency Fairmont (T272)	151						
				Check No. 46	323.84						
19	50			Reach 19 Total:	2,788						
20A	51	Check No. 47	326.77								
			326.91	Antelope Valley-East Kern WA Willow Springs (T273)	159						
20A	52	Check No. 48	329.65	Antelope Valley-East Kern WA 120th Street West	Removed						
			330.82								
20A	53	Check No. 49	335.93								
			336.73	Antelope Valley-East Kern WA Quartz Hill (T274)	5,097						
20B	54	Check No. 50	339.68	Antelope Valley-East Kern WA Rancho Vista (T275)	96						
			340.92	AVEK WA-Temp (T387)	1						
20B	55	Check No. 51	341.51								
			342.06	AVEK WA-Temp (T386)	6						
20B	56	Check No. 52	342.07								
			342.95	Antelope Valley-East Kern WA 30th Street West (T414)	0						
20B	57	Check No. 53	343.74								
			346.98	Palmdale WD (T276) Temp.	2,446						
21	58	Check No. 54	348.14	Antelope Valley-East Kern WA Acton Treatment Plant (T277)	93						
			348.17								
21	59	Check No. 55	349.52	Palmdale WD (T394) Temp.	0						
			350.25								
21	60	Check No. 56	352.70								
			354.76								
22A	61	Check No. 57	354.97	AVEK WA- Delivered through Littlerock Creek ID (T278)	0						
			354.97	Palmdale WD (T276)	0						
22A	62	Check No. 58	354.97	Palmdale WD (T391)	0						
			356.93								
22A	63	Check No. 59	357.60	AVEK 95th Street East (T279)	136						
			357.72	AVEK 96th Street East (T280)	285						
22A	64	Check No. 60	359.76	AVEK East Side Treatment Plant (T281)	634						

1/ Exchange of Table A water.

**Table 31. Governor Edmund G. Brown California Aqueduct**

Southern Field Division, Monthly Deliveries (East Branch, Continued)

(In acre-feet)

**June 2007**

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries									
	Beginning and Ending				Table A	Rec.	Transfer	Recovery	Exchange					
	No.	Structure	Mile											
22B	58	Pearblossom Pumping Plant	360.61		90,028	104	335	465	1/ 0					
	59	Check No. 59	366.09											
	60		366.50		AVEK Big Rock Siphon (T368)									
		Check No. 60	373.94											
	61	Check No. 61	379.00											
	62	Check No. 62	384.26											
	63	Check No. 63	389.20		Mojave Water Agency White Road 24" & 42" (T282)									
	64	Check No. 64	395.10											
	65	Check No. 65	400.32											
	66		401.10		Mojave Water Agency Morongo 24" & 42" (T284)									
23		Check No. 66	403.41											
	Mojave Siphon	405.58	Las Flores Ranch Exchange		0	226	12	2/ 48	3/ 3,735					
24		405.65			91,599									
Silverwood Lake	407.65	MWA CS DAM (T288)			0									
		California State Park Silverwood (T288)			12									
	407.70	Creastline-Lake Arrowhead WA State Project Water (T289)			274									
		Non-Project Water (T289)			0									
25		San Bernardino Intake Tunnel					98,361	45,007	13,021	4/ 4,623	3/ 3,735			
26A		Devil Canyon Powerplant			98,361									
	Devil Canyon Afterbay Control Structures	412.88	MWD-Rialto (T292)		0									
			MWD-Rialto (T293)		48,742									
			Desert Water Agency Transfer (T293)		0									
			Coachella Valley WD Transfer (T293)		0									
			MWD EBX-1 (T290)		0									
			MWD EBX-1 (T291)		13,021									
28G	Santa Ana Valley Pipeline	425.46	East Branch Extension		4,623									
28H		433.06	MWD-SC Box Springs (T295)		10,321	10,321	19,461	166	1,234					
			MWD-SC Perris Bypass Pipeline (T296)		19,461									
28J	Lake Perris	440.05	442.00 MWD-SC (T297)		166	166	1,234	0	0					
			MWD-SC 54" & 78" (T299)		1,234									
		443.44	Calif. State Park Lake Perris Recreation (T298)		0									
			MWD Total:		170,311	166,576	0	0	3,735					

1/ Project water delivered from Mojave Siphon in exchange for like amount of natural stream flow.

2/ Table A transfer from San Bernardino to CLAWA.

3/ Includes 3,250 AF of Mojave Water Bank Recovery and 485 AF of Arvin Edison Water Bank Recovery

4/ Includes 2,925 AF to San Gabriel Valley MWD, 1,575 AF to San Bernardino Valley MWD, and 123 AF to San Gorgonio Pass WA.

**Table 32. Water Quality At Selected SWP Locations**

June 2007

Constituent	Units	Thermalito Afterbay At Outlet	North Bay Aqueduct Barker Slough Pumping Plant	Banks Pumping Plant	Delta Mendota Canal At McCabe Rd.	California Aqueduct				Devil Canyon Afterbay Near San Bernardino
						O'Neill Forebay Outlet (Check 13)	Kettleman City (Check 21)	Near Hwy 119 (Check 29)	Tehachapi Afterbay (Check 41)	
Alkalinity	mg/l as CaCO <sub>3</sub>	39	88	79	69	80	79	80	80	81
Antimony	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NR	NR
Arsenic	mg/l	<0.001	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Beryllium	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	mg/l	<0.1	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.2
Bromide	mg/l	<0.01	0.03	0.15	0.12	0.20	0.21	0.21	0.20	0.20
Calcium	mg/l	8	15	22	18	20	20	23	23	22
Carbon - Dissolved Organic	mg/l as C	NR	4	4	4	3	3	3	2	3
Carbon - Total Organic	mg/l as C	NR	5	4	4	3	3	3	4	4
Chloride	mg/l	<1	15	58	46	70	70	67	67	66
Chromium	mg/l	<0.001	0.001	0.002	0.002	0.002	0.002	0.001	0.003	0.003
Copper	mg/l	0.001	0.003	0.003	0.002	0.001	0.001	0.001	0.001	0.002
Fluoride	mg/l	<0.1	0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Hardness	mg/l as CaCO <sub>3</sub>	32	87	108	86	99	99	105	103	96
Iron	mg/l	<0.005	0.012	<0.005	0.010	0.006	<0.005	<0.005	<0.005	0.006
Lead	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/l	3	12	13	10	12	12	12	11	10
Manganese	mg/l	<0.005	0.008	<0.005	<0.005	0.007	0.011	<0.005	<0.005	<0.005
Nitrate + Nitrite	mg/l as N	<0.01	0.54	0.85	NR	0.28	0.40	0.57	0.65	0.50
Phosphorus-Ortho	mg/l as P	<0.01	0.15	0.11	NR	0.05	0.06	<0.01	0.06	0.05
Phosphorus-Total	mg/l	0.01	0.21	0.15	NR	0.08	0.08	0.06	0.07	0.08
Selenium	mg/l	<0.001	<0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Sodium	mg/l	3	21	48	37	50	50	52	50	47
Specific Conductance	µS/cm	82	263	459	381	465	465	457	428	459
Sulfate	mg/l	2	20	50	40	36	36	36	37	38
Total Dissolved Solids	mg/l	48	153	345	213	255	255	254	247	252
Turbidity	NTU	2	43	10	15	4	15	3	5	2
Zinc	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

mg/l milligrams per liter

µg/l micrograms per liter

µS/cm microSiemens per centimeter

NR - Not Reported

NTU - nephelometric turbidity units

**Table 33. Water Quality At Selected Delta Stations**

June 2007

Date	Antioch Tides (feet above mean sea level)		Flow In CFS		Electrical Conductivity in millisiemens/cm								Cl in mg/l		
			Net Delta Outflow Index		Rio Vista	Antioch	Chippis Island	Emmaton		Jersey Point		Clifton Court	Cache Slough	Delta Mendota Canal	
	Highest High Tide	Actual High Half Tide	Mean Daily	Monthly Average				md	md	md	14dm	md	14dm	md	
1	6.27	4.23	8,302	8,302	6,781	1.11	5.34	0.51	0.33	0.29	0.26	0.48	0.37	0.50	39
2	6.33	4.21	8,070	8,186	4,967	1.12	5.39	0.49	0.34	0.29	0.27	0.49	0.34	0.50	40
3	6.20	4.09	7,982	8,118	4,021	1.02	4.98	0.49	0.35	0.29	0.27	0.48	0.34	0.51	40
4	6.08	4.01	8,617	8,243	4,439	0.94	4.58	0.50	0.36	0.27	0.27	0.49	0.34	0.53	41
5	5.85	3.99	8,848	8,364	6,361	1.00	4.27	0.44	0.38	0.27	0.27	0.51	0.39	0.54	41
6	5.58	3.83	8,261	8,347	7,219	0.83	3.68	0.35	0.39	0.27	0.27	0.51	0.44	0.54	42
7	4.73	0.00	9,101	8,455	8,045	0.98	2.73	0.26	0.39	0.25	0.27	0.52	0.42	0.56	42
8	5.16	0.00	8,833	8,502	7,879	0.53	2.85	0.24	0.39	0.25	0.27	0.51	0.40	0.56	42
9	5.54	3.66	9,368	8,598	6,364	0.59	2.98	0.24	0.39	0.25	0.27	0.51	0.38	0.58	41
10	6.05	3.81	9,936	8,732	5,814	0.60	3.50	0.25	0.39	0.25	0.27	0.52	0.41	0.58	40
11	6.04	3.96	9,496	8,801	7,572	0.68	3.88	0.27	0.39	0.26	0.27	0.52	0.53	0.56	42
12	6.37	4.04	8,998	8,818	8,519	0.77	4.02	0.29	0.38	0.26	0.27	0.52	0.51	0.56	40
13	6.54	4.14	7,505	8,717	8,126	0.92	0.00	0.32	0.37	0.28	0.27	0.51	0.53	0.55	47
14	6.73	4.32	6,270	8,542	7,492	1.11	0.00	0.37	0.36	0.30	0.27	0.48	0.53	0.49	40
15	6.96	4.57	5,831	8,361	7,438	1.44	6.37	0.46	0.36	0.34	0.27	0.44	0.47	0.44	40
16	7.02	4.58	5,912	8,208	5,754	1.59	7.15	0.61	0.36	0.39	0.28	0.44	0.43	0.41	38
17	6.67	4.36	5,740	8,063	5,174	1.47	6.32	0.54	0.37	0.34	0.28	0.40	0.47	0.41	36
18	6.45	4.41	7,611	8,038	6,414	1.42	5.97	0.50	0.37	0.34	0.29	0.39	0.45	0.41	35
19	6.35	4.57	7,288	7,998	6,722	1.49	6.71	0.60	0.38	0.35	0.30	0.36	0.40	0.38	35
20	5.72	4.23	6,965	7,947	6,708	1.19	5.47	0.43	0.38	0.31	0.30	0.35	0.40	0.38	36
21	5.20	3.80	7,522	7,927	7,278	0.88	4.35	0.28	0.39	0.29	0.30	0.35	0.45	0.38	34
22	5.45	3.71	7,233	7,895	7,471	0.85	4.10	0.26	0.39	0.29	0.30	0.35	0.43	0.36	32
23	5.55	3.66	6,822	7,848	7,375	0.86	4.28	0.27	0.39	0.29	0.31	0.34	0.40	0.35	35
24	5.69	3.69	7,345	7,827	7,414	0.90	4.57	0.24	0.39	0.29	0.31	0.34	0.39	0.34	36
25	5.69	3.76	7,147	7,800	7,406	0.93	4.47	0.23	0.39	0.30	0.31	0.34	0.45	0.34	36
26	5.93	4.04	7,118	7,774	7,594	1.09	5.60	0.29	0.39	0.32	0.32	0.34	0.42	0.34	36
27	6.24	4.20	7,300	7,756	7,623	1.32	6.48	0.34	0.39	0.34	0.32	0.34	0.44	0.34	36
28	6.34	4.23	7,362	7,742	8,012	1.48	6.31	0.39	0.39	0.36	0.33	0.33	0.51	0.34	34
29	6.41	4.24	7,677	7,740	8,308	1.45	6.13	0.42	0.39	0.36	0.33	0.33	0.48	0.33	35
30	6.44	4.16	9,313	7,792	9,603	1.37	5.96	0.40	0.37	0.35	0.32	0.32	0.39	0.33	32

Clifton Court Cl(mg/l)=200X EC - 25

e = Estimated

N.R. = No Record.

N.C. = Not computed due to insufficient data.

f = Excess Delta conditions with fish concerns.

r = Excess delta conditions with export/inflow ratio concerns.

s = Balanced water conditions with storage withdrawals.

dm = Daily Mean

md = Mean Daily

**Table 34. Pesticides, Herbicides, and Other Organic Substances Detected In the SWP**

June 2007

Sampling Location	Sample Date 1/	Chemical Detected	Concentration µg/l 2/
North Bay Aqueduct At Barker Slough Pumping Plant	June 20, 2007	Diuron	0.72
California Aqueduct At Banks Pumping Plant	June 20, 2007	Metolachlor	0.20
	June 20, 2007	Simazine	0.05
	June 20, 2007	Diuron	0.66
O'Niell Forebay Outlet Check 13	June 20, 2007	Simazine	0.05
Delta Mendota Canal At McCabe Road	June 20, 2007	Metolachlor	0.10
	June 20, 2007	Itrazine	0.02
	June 20, 2007	Simazine	0.03
	June 20, 2007	Diuron	0.31
California Aqueduct Near Kettleman City (Check 21)	June 19, 2007	Simazine	0.06
California Aqueduct At Near Highway 119 (Check 29)	June 21, 2007	Simazine	0.03
California Aqueduct at Tehachapi Afterbay (Check 41)	June 20, 2007	Simazine	0.05
California Aqueduct At Devil Canyon Headworks	June 20, 2007	Simazine	0.05

1/ Locations are normally sampled during March, June, and September. Monthly reports will include data for the month in which samples were most recently taken.

2/ Micrograms per liter.

**Table 35. Oroville and Delta Field Divisions Energy Data**

(in kWh)

**June 2007**

Date	Oroville Thermalito Complex		Barker Slough Pumping Plant	Cordelia Pumping Plant Load	Banks Pumping Plant		South Bay Pumping Plant Load	Del Valle Pumping Plant Load
	Generation	Load			Total Load	SWP Load		
1	3,366,560	14,800	47,230	45,730	21,500	21,500	49,850	390
2	2,184,370	20,450	48,140	46,600	21,040	21,040	41,650	390
3	3,624,810	16,920	49,290	44,600	21,340	21,340	48,930	460
4	8,227,200	10,200	46,280	44,030	22,100	22,100	50,000	400
5	6,099,650	15,660	44,140	44,040	21,300	21,300	49,100	390
6	5,355,050	9,720	42,110	44,950	21,270	21,270	48,870	500
7	6,984,960	14,670	41,740	43,150	21,490	21,490	49,130	490
8	8,161,350	8,980	43,500	43,700	20,920	20,920	49,230	470
9	7,389,800	10,090	44,930	43,630	21,460	21,460	51,740	410
10	5,094,420	19,570	44,340	42,830	70,370	70,370	48,900	420
11	7,351,770	11,220	43,300	42,940	70,910	70,910	48,940	400
12	7,595,030	8,630	50,360	45,980	70,910	70,910	48,750	400
13	5,345,330	10,820	49,840	38,170	71,490	71,490	49,360	410
14	6,542,500	12,550	53,410	43,920	71,320	71,320	50,150	430
15	4,895,990	16,400	56,210	43,690	75,730	75,730	48,820	410
16	5,934,280	16,180	49,820	45,660	69,830	69,830	96,880	400
17	9,902,710	6,740	44,170	40,390	292,730	292,730	116,220	430
18	9,512,600	0	43,560	37,330	247,040	247,040	195,870	450
19	8,969,310	4,430	42,830	33,250	493,120	493,120	343,520	440
20	9,404,940	7,820	50,800	37,850	425,620	425,620	396,410	410
21	8,245,700	7,890	58,320	38,390	550,460	550,460	399,230	390
22	8,854,530	6,620	61,310	42,940	551,300	551,300	401,220	400
23	10,626,020	3,290	55,750	37,590	538,790	538,790	418,450	420
24	11,225,970	0	56,160	39,360	342,280	342,280	386,060	420
25	11,433,140	0	62,340	42,660	122,890	122,890	392,840	400
26	11,189,380	0	66,400	45,460	196,980	196,980	406,900	400
27	14,533,210	0	67,470	47,080	501,460	501,460	450,460	2,640
28	14,994,180	0	64,490	42,520	500,500	500,500	506,760	5,470
29	15,354,050	0	73,240	47,610	512,110	512,110	509,350	5,480
30	14,937,700	0	73,510	47,660	781,700	781,700	509,310	6,100
Total	253,336,510	253,650	1,574,990	1,283,710	6,749,960	6,749,960	6,262,900	30,620

**Table 36. San Luis Field Division Energy Data**

(in kWh)

**June 2007**

Date	Dos Amigos Pumping Plant		Gianelli Pumping-Generating Plant			
	Total Load	SWP Load 1/	Total Generation	SWP Generation 1/	Total Load	SWP Load 1/
1	2,106,760	1,250,760	3,875,860	1,875,860	0	0
2	1,985,260	1,129,260	3,851,240	1,851,240	0	0
3	1,845,450	981,450	3,809,560	1,809,560	0	0
4	1,806,110	950,110	3,736,760	1,736,760	0	0
5	1,841,520	985,520	3,563,850	1,563,850	0	0
6	2,008,360	1,152,360	3,635,680	1,635,680	0	0
7	1,965,880	1,109,880	3,552,440	1,600,440	0	0
8	2,045,950	1,189,950	3,504,000	1,576,000	0	0
9	2,036,620	1,180,620	3,454,510	1,526,510	0	0
10	2,110,510	1,246,510	3,409,120	1,481,120	0	0
11	1,902,520	1,046,520	3,337,970	1,409,970	0	0
12	2,164,510	1,308,510	3,303,530	1,567,530	0	0
13	2,131,290	1,275,290	3,268,090	1,532,090	0	0
14	2,180,510	1,324,510	2,959,890	1,623,890	0	0
15	2,223,160	1,367,160	3,198,140	1,920,140	2,340	2,340
16	2,165,870	1,309,870	3,097,900	1,669,900	10	10
17	1,854,340	990,340	3,100,550	1,564,550	0	0
18	2,149,450	1,293,450	2,984,520	1,448,520	0	0
19	2,109,330	1,253,330	2,858,280	1,354,280	0	0
20	2,119,180	1,263,180	2,963,730	1,598,730	0	0
21	2,201,430	1,345,430	2,816,440	1,815,440	0	0
22	2,219,820	1,363,820	2,726,320	1,823,320	0	0
23	2,340,660	1,484,660	2,679,790	1,671,790	110	110
24	1,972,180	1,108,180	1,989,360	1,549,360	6,350	6,350
25	2,101,740	1,245,740	2,457,840	1,469,840	4,720	4,720
26	2,017,870	1,161,870	2,455,440	1,795,440	4,700	4,700
27	2,194,450	1,394,450	2,412,120	1,632,120	5,470	5,470
28	2,033,900	1,233,900	1,594,990	934,990	6,540	6,540
29	2,158,830	1,430,830	1,524,840	884,840	6,540	6,540
30	2,136,790	1,408,790	1,519,890	919,890	6,520	6,520
Total	62,130,250	36,786,250	89,642,650	46,843,650	43,300	43,300

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

**Table 37. San Joaquin Field Division Pumping Plant Energy Load Data**

(in kWh)

June 2007

Date	Coastal Branch					California Aqueduct			
	Las Perillas	Badger Hill	Devil's Den	Bluestone	Polonio	Buena Vista	Teerink	Chrisman	Edmonston
1	54,650	142,780	87,860	83,250	88,990	1,427,340	1,447,850	3,073,940	11,030,550
2	52,380	136,260	94,580	89,280	95,180	1,305,360	1,285,840	2,739,360	9,978,550
3	56,870	143,570	76,240	72,580	77,180	1,341,170	1,405,730	3,052,140	11,356,200
4	55,390	142,660	87,700	83,630	88,390	1,315,180	1,334,920	2,826,750	10,329,440
5	43,090	110,740	77,990	73,720	79,840	1,338,690	1,341,540	2,846,870	10,329,880
6	44,540	113,930	85,460	81,260	85,320	1,472,340	1,426,530	3,023,650	11,095,330
7	51,440	132,800	88,820	84,780	88,890	1,396,530	1,463,330	3,096,180	10,883,940
8	51,440	132,550	86,860	82,000	87,280	1,481,210	1,506,850	3,240,530	11,595,040
9	54,840	138,920	89,260	85,660	89,580	1,524,340	1,571,770	3,369,860	12,186,690
10	58,260	145,880	85,630	81,440	86,630	1,668,820	1,825,040	4,004,730	14,865,120
11	49,600	124,970	86,670	82,880	87,120	1,447,360	1,518,530	3,187,460	11,598,820
12	52,940	134,780	90,200	85,610	90,830	1,542,720	1,523,400	3,263,580	11,437,010
13	54,870	137,970	88,700	84,470	88,840	1,241,290	1,212,970	2,506,820	8,918,320
14	60,970	154,250	99,530	95,460	99,640	1,266,370	1,294,590	2,750,000	9,610,080
15	62,740	156,010	92,740	88,520	93,520	1,341,410	1,315,970	2,790,680	10,205,870
16	62,100	153,520	91,520	86,820	92,340	1,279,240	1,275,650	2,671,430	9,587,590
17	60,650	151,620	91,990	87,240	93,630	1,189,100	1,125,400	2,386,410	8,714,550
18	61,550	152,310	88,110	84,340	89,260	1,463,930	1,412,550	2,990,000	10,800,950
19	62,650	154,850	85,980	82,110	87,430	1,315,650	1,335,500	2,818,310	10,354,040
20	63,110	156,540	87,330	83,630	87,900	1,281,550	1,212,470	2,539,530	8,791,040
21	62,360	155,270	90,810	88,280	92,950	1,403,710	1,387,120	2,942,710	10,450,270
22	62,340	157,450	86,590	79,680	85,090	1,312,750	1,314,620	2,799,810	10,130,370
23	61,340	153,670	103,470	100,010	104,480	1,619,910	1,616,110	3,459,010	12,316,890
24	62,070	154,870	84,610	80,510	85,620	1,511,910	1,685,660	3,699,620	13,550,760
25	62,880	157,600	95,260	91,730	95,470	1,562,280	1,594,320	3,413,740	12,263,130
26	61,410	151,910	85,010	80,780	85,890	1,802,550	1,780,000	3,849,450	13,937,050
27	58,490	147,570	72,070	67,160	72,040	1,576,870	1,650,540	3,511,190	12,660,870
28	59,330	149,570	82,650	79,280	84,190	1,714,000	1,732,170	3,701,180	13,188,040
29	60,080	147,770	83,700	80,370	84,940	1,724,000	1,782,530	3,816,360	13,860,720
30	61,300	150,110	86,320	82,140	87,060	1,779,970	1,774,200	3,845,790	13,834,580
Total	1,725,680	4,342,700	2,633,660	2,508,620	2,655,520	43,647,550	44,153,700	94,217,090	339,861,690

**Table 38. Southern Field Division Energy Data**

(in kWh)

**June 2007**

Date	West Branch			East Branch				East Branch Extension		
	Oso Pumping Plant Load	Warne Powerplant Generation	Castaic Powerplant SWP Generation /1	Alamo Powerplant Generation	Pearblossom Pumping Plant Load	Devil Canyon Powerplant Generation	Mojave Siphon Powerplant Generation	Green Spot Pumping Plant	Crafton Hills Pumping Plant	Cherry Valley Pumping Plant
1	628,059	1,289,710	1,920,000	254,272	1,369,232	3,507,486	151,295	46,936	42,534	441
2	501,465	1,146,900	1,440,000	239,735	1,395,324	3,880,864	142,890	22,736	17,492	450
3	222,446	310,970	1,440,000	355,360	2,235,314	4,058,475	256,636	22,962	17,690	478
4	359,287	844,330	1,440,000	339,794	1,952,522	3,891,634	246,123	50,118	43,754	563
5	404,891	844,370	1,440,000	336,897	2,039,791	3,863,776	220,372	42,074	34,071	478
6	407,010	844,370	1,440,000	328,283	1,983,360	3,821,954	226,187	20,674	13,900	413
7	445,446	850,130	1,440,000	265,437	1,970,997	3,831,191	202,996	20,389	13,265	441
8	280,149	845,850	1,440,000	364,686	2,015,414	3,946,826	252,996	18,739	12,868	431
9	350,386	846,630	1,440,000	379,866	2,438,465	3,814,438	269,897	1,424	566	441
10	555,554	850,020	1,440,000	379,747	2,505,025	3,698,418	275,099	14,260	10,815	497
11	363,317	852,530	1,440,000	378,936	2,149,292	3,942,000	272,241	19,525	13,295	516
12	414,119	850,360	1,440,000	252,492	2,204,417	3,761,343	254,638	1,522	615	506
13	336,822	850,520	1,440,000	280,044	2,042,084	3,857,367	224,921	23,542	18,613	563
14	295,832	849,130	1,440,000	319,838	1,490,897	3,938,232	171,390	20,232	19,089	638
15	349,020	848,490	1,440,000	300,514	1,773,529	3,797,340	193,780	18,562	20,548	582
16	388,248	850,100	1,440,000	267,306	1,558,804	3,925,900	191,238	22,334	25,429	553
17	152,139	795,770	1,440,000	282,160	1,404,487	3,846,687	163,627	1,571	645	525
18	377,327	846,870	1,440,000	365,734	2,254,417	4,133,287	263,459	22,520	21,768	563
19	474,733	852,140	1,440,000	237,925	1,214,895	3,928,797	147,805	21,135	20,696	553
20	347,970	878,680	1,440,000	249,041	1,947,767	3,985,344	230,350	19,976	18,424	572
21	315,109	845,950	1,440,000	231,309	1,780,778	3,906,299	232,041	23,217	21,867	619
22	313,802	899,690	1,440,000	327,947	1,997,936	4,218,354	234,088	23,286	21,470	591
23	355,960	913,570	1,440,000	322,656	2,339,232	3,950,613	288,776	1,660	665	591
24	333,574	835,630	1,440,000	332,615	2,491,206	4,143,038	303,966	19,574	18,633	563
25	406,921	785,020	1,440,000	321,855	2,653,161	3,990,279	295,649	22,687	21,341	591
26	445,584	826,810	1,440,000	320,688	2,415,902	3,935,344	331,576	22,167	21,986	553
27	430,168	706,260	1,440,000	327,364	2,353,500	3,910,631	278,916	22,775	21,699	553
28	415,089	966,420	1,440,000	334,860	2,492,263	3,904,866	296,529	20,968	19,407	600
29	527,426	772,430	1,440,000	341,920	2,558,285	3,930,192	318,898	21,518	20,359	572
30	501,079	786,330	1,440,000	333,515	2,546,162	3,973,655	311,234	1,699	675	582
Total	11,698,931	25,485,980	43,680,000	9,372,795	61,574,457	117,294,630	7,249,614	610,784	534,180	16,020

/1 Energy delivered to SWP by LADWP at Sylmar substation; not necessarily related to actual Castaic operations